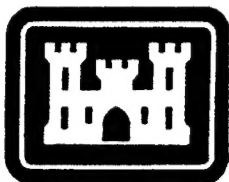


U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS  
CORPS OF ENGINEERS

STAGES AND DISCHARGES  
OF THE  
MISSISSIPPI RIVER AND TRIBUTARIES  
AND  
OTHER WATERSHEDS  
IN THE  
NEW ORLEANS DISTRICT  
FOR 1993



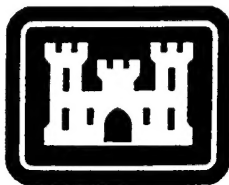
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U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS  
CORPS OF ENGINEERS

**STAGES AND DISCHARGES**  
**OF THE**  
**MISSISSIPPI RIVER AND TRIBUTARIES**  
**AND**  
**OTHER WATERSHEDS**  
**IN THE**  
**NEW ORLEANS DISTRICT**  
**FOR 1993**





## INTRODUCTION

THIS PAMPHLET CONTAINS THE RESULTS OF STAGE AND DISCHARGE OBSERVATIONS MADE ON THE MISSISSIPPI RIVER, ITS OUTLETS AND TRIBUTARIES, AND OTHER STREAMS AND WATERWAYS IN THE US ARMY ENGINEER DISTRICT, NEW ORLEANS, DURING THE 1993 CALENDAR YEAR.

IN ADDITION TO THE RECORDS OF THIS DISTRICT, THERE ARE CONTAINED HEREIN GAGE AND DISCHARGE DATA FURNISHED BY THE US GEOLOGICAL SURVEY, AND GAGE RECORDS FURNISHED BY THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION.

GAGES OPERATED BY THE NEW ORLEANS DISTRICT ARE GENERALLY INSPECTED AT LEAST ONCE EACH YEAR. THE DATUM USED IS THAT OF THE 1929 NATIONAL GEODETIC VERTICAL DATUM BY THE NATIONAL GEODETIC SURVEY. GAGES ARE BEING ADJUSTED TO AGREE WITH BENCHMARK CHANGES ALSO FURNISHED BY THE NATIONAL GEODETIC SURVEY. REFER TO THE GENERAL INFORMATION SECTION AT EACH STATION FOR SPECIFIC ADJUSTMENTS. GAGE READINGS ARE CHECKED AGAINST INSPECTION REPORTS AND COMPARATIVE HYDROGRAPHS AND ARE CORRECTED WHERE THE NEED IS INDICATED.

STAGES ARE READINGS OF WATER SURFACE ELEVATIONS EXPRESSED IN FEET ABOVE THE ZERO OR REFERENCE POINT OF THE GAGE. THE REFERENCE POINT IS REFERRED TO EITHER NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD) OR MEAN LOW GULF DATUM. MEAN LOW GULF IS 0.78 FOOT BELOW NGVD. NATIONAL GEODETIC VERTICAL DATUM OF 1929 IS USED IN LIEU OF SEA LEVEL DATUM OF 1929 (MSL).

DISCHARGE IS THE QUANTITY OF WATER FLOWING PAST A CROSS SECTION OF THE STREAM IN A UNIT OF TIME. IT IS EXPRESSED IN DAY SECOND FEET.

DISCHARGE DATA CONSIST OF A BRIEF DESCRIPTION OF THE GAGING STATION, RESULTS OF DISCHARGE OBSERVATIONS, AND WHERE DETERMINED, COMPUTED DAILY FLOWS.

ANNUAL HIGHEST AND LOWEST STAGES ARE REPORTED FOR MOST OF THE DAILY GAGE STATIONS. IN DETERMINING THESE EXTREME RECORDS, ALL AVAILABLE GAGE DATA, INCLUDING CONTINUOUS RECORDER CHARTS, DAILY GAGE READINGS, AND GAGE RECORDS TAKEN FROM DISCHARGE NOTES, INSPECTION REPORTS, ETC., ARE USED. THE TIME OF OCCURRENCE USUALLY IS REPORTED FOR THE ANNUAL HIGHEST STAGE BUT NOT FOR THE ANNUAL LOWEST STAGE.

THE TIME OF OBSERVATION REFERS TO CENTRAL STANDARD TIME.

THE ENCLOSED STREAM GAGING MAP SHOWS THE GAGING SYSTEMS OPERATED BY THE DISTRICT DURING THE REPORTING PERIOD. THE MAP CONTAINS AN INDEX FOR FINDING GAGE AND DISCHARGE RECORDS WITHIN THE PAMPHLET BY THE SYSTEM ARRANGEMENT.

MICHAEL DIFFLEY  
COLONEL, CORPS OF ENGINEERS  
DISTRICT ENGINEER





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# HIGHEST AND LOWEST STAGES OF THE MISSISSIPPI RIVER AND ITS OUTLETS AND TRIBUTARIES

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LOCATION	RIVER MILES <sup>a</sup>	DRAINAGE AREA SQ MILES	BANKFULL STAGE FT	LOW-WATER STAGE <sup>b</sup>	HIGHEST STAGE				LOWEST STAGE			
					PRIOR TO 1993		1993		PRIOR TO 1993		1993	
					DATE	STAGE FT NGVD <sup>c</sup>	DATE	STAGE FT NGVD	DATE	STAGE FT NGVD <sup>c</sup>	DATE	STAGE FT NGVD
MISSISSIPPI RIVER												
NEAR KNOX LANDING, LA.	313.7	1,124,700	51	14.5	MAY 13, 1973*	61.20	MAY 19	55.70	JAN 28-30, 1956	8.2	NOV 14	27.95
RED RIVER LANDING, LA.	302.4	1,125,000	46	12.3	MAY 14-17, 1927	60.94	MAY 21	53.45	JUL 14, 1895	2.89	NOV 14	25.90
BAYOU SARA, LA.	265.4	1,125,400	36	5.4	MAY 15, 1927	55.46	MAY 21*	45.30	NOV 16, 1895	0.96	NOV 14	18.20
BATON ROUGE, LA.	228.4	1,125,810	29	2.8	MAY 8, 1912	47.28	MAY 21	36.69	NOV 14, 1894	-0.07	NOV 14	12.79
PLAQUEMINE, LA.	208.8	1,125,830	25	2.0	MAY 15, 1927	43.04	-	-	NOV 14, 1894	-0.90	-	-
DONALDSONVILLE, LA.	175.4	1,125,860	23	1.4	MAY 15, 1927	36.01	MAY 21	27.06	JAN 12, 1918	-0.39	NOV 14	7.67
COLLEGE POINT (LA.)	157.4	1,125,870	17	1.3	MAY 15, 1927	32.32	MAY 20	24.15	FEB 3, 1940	-0.6	NOV 12*	7.45
RESERVE, LA.	138.7	1,125,880	15	1.2	JUN 11, 1929	26.0	MAY 22	19.11	JAN 24, 1940	-0.1	NOV 14	5.86
NEW ORLEANS (CARROLLTON), LA.	102.8	1,125,910	14	1.1	APR 25, 1922	23.79	MAY 22	15.25	DEC 27, 1872	-0.62	NOV 14	5.29
BONNET CARRE (LA.)	91.0	1,125,920	11	1.0	APR 25, 1922	21.27	MAY 22	13.20	JAN 24, 1940	-1.60	NOV 15	4.17
CHALMETTE, LA.	48.7	1,125,940	8	0.9	SEP 9, 1965	17.58	MAY 22	8.03	JAN 24, 1940	-0.52	NOV 15	3.69
WEST POINT A LA HACHE, LA.	29.5	1,125,960	3	0.7	AUG 17, 1969	#15.25	MAY 22	6.40	JAN 19, 1977	-1.06	NOV 15	2.40
EMPIRE, LA.	18.6	1,125,965	1	0.6	AUG 17, 1969	#14.03	MAR 12	-	MAR 7, 1893+	-2.67	NOV 15	1.75
FORT JACKSON, LA.	-0.6	1,125,970	1	0.6	AUG 17, 1969	#12.03	MAR 12	3.75	DEC 25, 1989	-0.87	NOV 2	0.70
HEAD OF PASSES (LA.)												
OLD RIVER OUTFLOW												
NEAR KNOX LANDING, LA.	0.5	1,124,700	49	8.0	MAY 15, 1973	59.30	MAY 18	41.60	JUL 16, 1964	1.32	NOV 10*	15.00
OLD RIVER												
TORRAS, LA. (LOCK FOREBAY)	-	-	-	-	MAY 15, 1927	61.6	MAY 21*	53.75	NOV 4, 1939	3.3	NOV 13	26.65
ATCHAFALAYA RIVER												
SIMMESPORT, LA.	4.9	87,570	46	6.9	MAY 16, 1927	58.13	MAY 18	35.80	OCT 17, 1976	0.70	NOV 13	11.40
KROTZ SPRINGS, LA.	41.3	95,328	37	6.1	MAY 15, 1927	38.5	APR 26	25.16	OCT 18, 1976	0.90	NOV 11	7.60
LOWER ATCHAFALAYA RIVER												
MORGAN CITY, LA.	117.7	94,800	4	-0.8	MAY 28, 1973	10.53	MAY 24	6.80	AUG 25, 1926	-5.44	NOV 10	2.40

<sup>a</sup> DISTANCES OF THE MISSISSIPPI RIVER ARE MEASURED FROM HEAD OF PASSES (LA.). DISTANCES FOR STATIONS IN THE ATCHAFALAYA BASIN ARE FROM HEAD OF ATCHAFALAYA RIVER, VIA THE MAIN CHANNEL OF THE BASIN TO THE GULF. ALTHOUGH SOME GAGES HAVE BEEN MOVED, DISTANCES SHOWN REFER TO THEIR PRESENT LOCATIONS.

<sup>b</sup> REFERS EITHER TO AVERAGE LOW WATER PLANE, MEAN LOW WATER, OR LOW WATER REFERENCE PLANE.

<sup>c</sup> IN SOME CASES, THE RECORD STAGE MAY BE DETERMINED FROM A WATERMARK OR FROM A READING ON A LOCAL GAGE, SINCE ABANDONED.

\* AND LATER DATES (IN THE YEAR).

# AFFECTED BY HURRICANE.

^ POSSIBLY EXCEEDED DURING PERIOD OF NO RECORD.

+ AND ALSO IN LATER YEARS.

MAXIMUM, MINIMUM, AND MEAN DISCHARGES OF THE MISSISSIPPI RIVER  
AND ITS OUTLETS AND TRIBUTARIES

LOCATION	RIVER MILE a	DRAINAGE AREA SQ MILES	MAXIMUM DISCHARGE			MINIMUM DISCHARGE			MEAN DISCHARGE D.S.F.
			PRIOR TO 1993		1993	PRIOR TO 1993		1993	
			YEAR	DISCHARGE D.S.F. b	DISCHARGE D.S.F.	YEAR	DISCHARGE D.S.F. b	DISCHARGE D.S.F.	
MISSISSIPPI RIVER									
TARBERT LANDING, MISS.	306.3	1,124,900	1937	1,977,000	1,202,000	1939	85,000	343,000	773,000
RED RIVER LANDING, LA.	302.0	1,125,000	1927	b1,779,000	-	1939	75,000	-	-
OLD RIVER OUTFLOW									
NEAR KNOX LANDING, LA.	0.5	1,124,700	1973	610,000	356,000	1962	0	92,000	236,000
LOWER OLD RIVER									
TORRAS, LA.	1.0	-	1937	e519,000	-	1912	f316,000	-	-
ATCHAFALAYA RIVER									
SIMMESPORT, LA.	8.2	87,570	1973	781,000	520,000	1964	10,500	148,000	331,000

a DISTANCES OF THE MISSISSIPPI RIVER ARE MEASURED  
FROM HEAD OF PASSES (LA.). TRIBUTARY DISTANCES  
ARE FROM MOUTH.

b DISCHARGE MAY BE EITHER COMPUTED, MEASURED, OR ESTIMATED.  
ALSO, DISCHARGE MAY NOT BE AVAILABLE FOR THE RECORD STAGE.

e TOWARD ATCHAFALAYA RIVER

f TOWARD MISSISSIPPI RIVER

MONTHLY AND YEARLY MEAN STAGES OF THE MISSISSIPPI RIVER FOR 1993

LOCATION	MONTHLY MEAN STAGES												YEARLY MEAN STAGE
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
KNOX LANDING, LA.	48.30	42.81	47.17	53.09	54.89	45.95	43.96	48.57	39.43	40.68	35.30	45.42	45.51
RED RIVER LANDING, LA.	46.25	40.79	45.16	51.00	52.70	43.79	41.74	46.41	37.22	38.50	33.14	43.37	43.38
BAYOU SARA, LA.	38.45	33.11	37.19	42.77	44.62	36.11	33.93	38.45	29.53	30.82	25.07	35.64	35.52
BATON ROUGE, LA.	30.80	26.08	29.51	34.31	35.95	28.51	26.55	30.55	22.66	23.99	18.72	28.29	28.03
DONALDSONVILLE, LA.	22.34	18.38	21.27	25.14	26.39	20.08	18.22	21.50	15.11	16.26	11.98	20.21	19.77
COLLEGE POINT, LA.	20.24	16.45	19.01	22.45	23.60	17.91	16.31	19.31	13.50	14.78	10.96	18.25	17.76
RESERVE, LA.	17.48	14.04	16.37	19.47	20.50	15.36	13.88	16.59	11.47	12.62	9.12	15.71	15.24
NEW ORLEANS, LA.	12.49	9.96	11.62	13.84	14.69	11.07	9.99	12.08	8.32	9.17	6.46	11.37	10.94
CHALMETTE, LA.	10.77	8.63	10.02	11.88	12.66	9.71	8.80	10.60	7.33	8.09	5.69	9.79	9.51
WEST POINT A LA HACHE, LA.	6.44	5.31	5.99	7.05	7.56	6.31	5.88	6.67	5.01	5.38	3.55	6.14	5.95
EMPIRE, LA.	4.64	3.86	4.33	5.25	5.69	4.85	4.39	5.07	3.98	4.11	2.82	4.40	4.44
HEAD OF PASSES, (LA.)	2.34	1.95	2.23	2.97	3.19	-	-	-	-	2.10	1.31	1.93	2.27



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**PART 1**  
**STAGES AND DAILY DISCHARGES**  
**OF THE**  
**MISSISSIPPI RIVER AND TRIBUTARIES**  
**AND**  
**OTHER WATERSHEDS**



## DAILY STAGE FOR 1993

## MISSISSIPPI RIVER NEAR KNOX LANDING, LA.

LOCATION. LAT. 31-04-25, LONG. 91-34-55. MILE 313.7 (1962 SURVEY), ON RIGHT BANK AT OLD LEVEE, ABOUT 3/4 MILE DOWNSTREAM FROM INLET CHANNEL TO OLD RIVER CONTROL STRUCTURE. (STA. 0108011.)

GAGE. AUTOMATIC RECORDER AND STAFF(S).

GENERAL INFORMATION. DRAINAGE AREA, (REVISED) ABOUT 1,124,700 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 51 FEET. LOW WATER REFERENCE PLANE, 12.3 FEET ON GAGE. STAGE IS AFFECTED BY THE DIVERSION OF WATER THRU OLD RIVER CONTROL STRUCTURE. PRIOR TO JUNE 30, 1961, GAGE WAS ABOUT 0.8 MILE UPSTREAM.

RECORDS AVAILABLE. STAGE, OCT. 20, 1955, TO MAR. 10, 1961, AND JUNE 30, 1961, TO DATE.

EXTREMES. HIGHEST, 63.15 FEET ON MAY 31, 1983. LOWEST, 8.2 FEET FROM JAN. 28 TO 30, 1956.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	47.52	48.72	41.90	49.30	54.95	52.64	43.30	47.59	46.30	40.07	35.13	45.82
2	47.40	48.57	42.80	49.35	54.95	52.05	42.78	47.79	45.71	40.69	34.55	45.62
3	47.25	48.23	44.00	49.39	55.00	51.36	42.63	48.02	45.00	41.45	34.00	45.23
4	46.93	48.03	44.37	49.70	55.10	50.71	42.26	48.12	44.31	42.25	33.45	44.85
5	46.71	47.80	44.75	50.05	54.90	49.98	42.20	48.30	43.33	42.90	32.72	44.40
6	46.44	47.54	45.20	50.25	54.80	49.08	42.16	48.37	42.32	43.44	31.87	44.07
7	46.26	47.10	45.50	50.35	54.90	47.99	41.80	48.50	41.20	44.08	30.99	44.50
8	46.31	46.50	45.60	50.92	54.85	46.87	41.24	48.67	40.50	44.73	30.32	45.22
9	46.50	45.74	45.42	51.85	54.75	45.85	41.15	48.95	39.80	45.13	29.70	45.70
10	46.73	45.00	45.22	52.35	54.70	44.90	41.00	49.25	38.87	45.45	29.57	46.10
11	47.15	44.13	45.37	52.70	54.70	44.10	41.01	49.37	38.05	45.60	29.20	46.28
12	47.60	43.05	45.60	52.98	54.75	43.50	41.50	49.49	37.45	45.60	28.80	46.48
13	48.15	42.05	45.90	53.20	54.80	43.21	42.11	49.50	37.35	45.55	28.20	46.70
14	48.45	40.80	46.44	53.45	55.05	43.04	42.59	49.48	37.39	45.35	28.10	47.20
15	48.59	39.65	46.95	53.85	55.20	43.04	43.13	49.40	37.48	44.85	28.86	47.50
16	48.77	38.80	47.35	54.10	55.36	43.26	43.70	49.36	37.63	44.10	31.45	47.58
17	48.96	38.40	47.65	54.17	55.55	43.55	44.19	49.27	37.43	43.01	32.22	47.65
18	49.10	38.32	48.05	54.25	55.50	43.85	44.50	49.28	37.20	41.69	33.25	47.70
19	49.20	38.51	48.45	54.40	55.60	44.10	44.81	49.05	37.10	40.43	32.90	47.71
20	49.40	38.92	48.79	54.60	55.60	44.28	45.05	49.00	37.20	39.10	34.15	47.74
21	49.86	39.33	49.07	54.85	55.60	44.57	45.23	48.87	37.34	37.81	36.85	47.60
22	49.98	39.95	49.45	54.98	55.45	44.92	45.46	48.77	37.29	36.60	39.20	47.25
23	49.83	40.29	49.70	54.95	55.30	45.34	45.70	48.64	37.23	35.90	41.05	46.75
24	49.65	40.36	49.95	55.17	55.12	45.80	45.90	48.50	37.43	35.30	42.30	46.20
25	49.52	40.33	50.06	55.25	54.93	46.12	46.17	48.35	37.69	35.20	43.40	45.40
26	49.41	40.52	50.15	55.35	54.74	45.82	46.37	48.25	38.00	35.58	44.35	44.30
27	49.37	40.84	50.15	55.32	54.54	45.45	46.55	48.04	38.50	36.03	44.90	43.20
28	49.31	41.31	49.92	55.30	54.30	45.00	46.73	47.90	38.95	35.90	45.50	42.30
29	49.17	-----	49.65	55.28	54.00	44.35	46.98	47.60	39.22	35.98	45.98	41.50
30	49.03	-----	49.45	55.10	53.58	43.82	47.20	47.20	39.75	35.80	45.97	40.40
31	48.87	-----	49.30	-----	53.15	-----	47.35	46.77	-----	35.50	-----	39.22

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	48.30	42.81	47.17	53.09	54.89	45.95	43.96	48.57	39.43	40.68	35.30	45.42
MAX	49.98	48.72	50.15	55.35	55.60	52.64	47.35	49.50	46.30	45.60	45.98	47.74
MIN	46.26	38.32	41.90	49.30	53.15	43.04	41.00	46.77	37.10	35.20	28.10	39.22
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 45.51.  
 HIGHEST STAGE WAS 55.70 AT 5:30 P.M. ON MAY 19.  
 LOWEST STAGE WAS 27.95 ON NOV 14.



## DAILY STAGE FOR 1993

## MISSISSIPPI RIVER AT TARBERT LANDING, MISS.

LOCATION. LAT. 31-00-30, LONG. 91-37-25. MILE 306.3 (1962 SURVEY), ABOUT 2-1/2 MILES UPSTREAM FROM LOWER OLD RIVER. (STA. 0110011.)

GAGE. STAFF TYPE IN SEVERAL SECTIONS.

GENERAL INFORMATION. DRAINAGE AREA, (REVISED) 1,124,900 SQUARE MILES (CONTRIBUTING).

RECORDS AVAILABLE. STAGE, INTERMITTENTLY, 1932 TO DATE. DISCHARGE, 1911 TO 1913, 1928, 1929, AND 1932 TO DATE. COMPUTED DAILY, SINCE 1936.

EXTREMES. FOR STAGES, SEE RED RIVER LANDING. MAXIMUM, 1,977,000 CFS OBSERVED ON FEB. 19, 1937 (RED RIVER LANDING STAGE, 58.09 NGVD). MINIMUM, 85,000 CFS COMPUTED FOR NOV. 4, 1939 (RED RIVER LANDING STAGE, 4.69 NGVD). DISCHARGE NOT DETERMINED FOR RECORD HIGH AND LOW STAGES.

## STAGE IN FEET

GAGE ZERO IS AT NGVD (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		47.40	40.70			51.25			44.80		33.70	
2								46.40				
3		46.90	42.70		53.60						32.65	
4								46.75		40.80		
5	45.40			48.70	53.50							
6							40.80			42.00		
7	44.95			49.10					40.10			
8		45.20	44.30				40.00				29.10	
9						44.40		47.60	38.50			44.40
10		43.70	44.00		53.10						28.30	
11	45.70											
12				51.70			40.30	48.20		44.30		
13	46.90			52.10			41.15		36.10			
14												
15			45.70			41.75			36.10		27.55	
16		35.80						48.00				46.20
17			46.40		54.00	41.90					30.65	
18		37.20						47.80		40.50		
19	47.90			53.10	54.10		43.45					
20									35.80	38.85		
21	48.65			53.40		43.20	43.80					
22		38.65	48.30						35.90			
23						43.95		47.20				44.80
24		39.30	48.85								41.00	
25	48.20							46.85				
26				53.90	53.50		44.90					
27	48.00									34.80		
28				53.95		43.70	45.30					
29		-----							37.80		44.65	
30		-----				42.80						39.00
31		-----	48.00	-----		-----			-----		-----	

DAILY FLOW FOR 1993  
MISSISSIPPI RIVER AT TARBERT LANDING, MISS.--CONTINUED  
COMPUTED DAILY DISCHARGE IN THOUSAND DAY SECOND FEET

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	822	861	657	938	1155	1011	670	765	729	567	454	815
2	822	858	690	946	1160	986	662	772	715	586	445	806
3	816	845	730	946	1150	960	655	779	701	604	432	792
4	808	840	750	958	1160	929	649	785	666	625	422	774
5	801	833	763	973	1148	902	647	791	644	644	411	754
6	791	826	784	983	1148	871	644	791	616	661	398	740
7	785	814	796	987	1130	835	639	795	593	679	386	751
8	787	796	803	1011	1120	805	626	800	550	698	374	780
9	790	779	792	1045	1110	775	622	810	534	711	366	786
10	795	751	786	1068	1107	750	619	824	521	723	362	787
11	809	729	788	1080	1110	705	620	825	504	730	357	790
12	824	699	791	1095	1120	695	629	830	497	731	353	791
13	845	671	800	1109	1115	676	642	832	490	726	346	798
14	851	631	820	1111	1135	666	653	830	492	720	343	810
15	857	597	843	1124	1155	665	664	829	491	705	352	816
16	862	572	860	1132	1171	670	676	829	494	685	394	825
17	872	561	875	1145	1191	674	684	824	491	655	400	824
18	875	556	892	1149	1183	680	691	822	487	616	420	828
19	880	559	909	1153	1193	685	697	817	484	583	435	828
20	885	569	924	1161	1195	689	701	811	485	550	454	830
21	904	580	938	1165	1202	694	704	810	487	519	508	826
22	904	597	958	1172	1195	700	709	805	487	492	566	819
23	902	608	970	1178	1191	706	715	798	486	475	620	804
24	891	613	976	1182	1171	718	720	794	491	461	668	776
25	888	608	987	1190	1160	722	725	788	493	458	706	731
26	888	613	987	1190	1130	719	730	785	498	463	745	683
27	885	623	985	1191	1115	711	734	780	507	478	763	625
28	885	635	976	1190	1091	701	740	775	515	472	793	598
29	881	-----	966	1190	1063	691	749	765	521	474	815	575
30	874	-----	954	1171	1049	682	754	753	532	474	824	550
31	868	-----	946	-----	1030	-----	760	741	-----	469	-----	520

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	850	687	861	1098	1140	756	682	799	540	595	497	756
MAX	904	861	987	1191	1202	1011	760	832	729	731	824	830
MIN	785	556	657	938	1030	665	619	741	484	458	343	520
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
TOTAL FOR YEAR WAS 282,145,000 DSF.  
THE MEAN FLOW FOR THE YEAR WAS 773,000 DSF.  
MAXIMUM DAILY DISCHARGE WAS 1,202,000 DSF ON MAY 21.  
MINIMUM DAILY DISCHARGE WAS 343,000 DSF ON NOV 14.

## DAILY STAGE FOR 1993

## MISSISSIPPI RIVER AT RED RIVER LANDING, LA.

LOCATION. LAT. 30-57-39, LONG. 91-39-52. SPUR DIKE ON RIGHT BANK AT MILE 302.4 (1962 SURVEY).  
(STA. 0112012B.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. DRAINAGE AREA, (REVISED) 1,125,000 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 46 FEET. LOW WATER REFERENCE PLANE, 10.6 FEET ON GAGE. FOR DAILY FLOWS SINCE CLOSURE OF LOWER OLD RIVER (MILE 304) ON JUL. 12, 1963, SEE TARBERT LANDING, MISS. GAGE WAS LOCATED ACROSS THE RIVER AT ANGOLA, LA. (MILE 302.6), OCT. 1923 TO JUNE 1940. STAGES ARE AVAILABLE FOR GAGE AT PHILLIPSTON, LA. (MILE 302.5) FROM JAN. 1937 TO DEC. 1945. PRIOR TO 1975 GAGE ZERO WAS 3.49 FEET NGVD.

RECORDS AVAILABLE. STAGE, 1851 TO 1923, AND MAR. 1940, TO DATE. DISCHARGE, 1851 AND INTERMITTENTLY FROM 1881 TO 1963. COMPUTED DAILY, FROM 1928 TO 1963.

EXTREMES. HIGHEST, 60.94 FEET FROM MAY 14 TO 17, 1927. LOWEST, 2.89 FEET ON NOV. 14, 1895. EXTREMES HAVE BEEN ADJUSTED TO NGVD. MAXIMUM, ABOUT 1,779,000 CFS WOULD HAVE OCCURRED FOR THE MAY 1927 FLOOD IF FLOW HAD BEEN CONFINED BETWEEN LEVEES. A DISCHARGE OF 1,595,000 CFS WAS OBSERVED BY FLOAT METHOD ON MAR. 31, 1882 (STAGE 51.79 NGVD). THIS DISCHARGE WAS AFFECTED BY CREVASSES. A DISCHARGE OF 1,520,000 CFS WAS COMPUTED FOR APR. 11 AND 12, 1945 (AT STAGES OF 58.69 AND 58.89 NGVD, RESPECTIVELY. MINIMUM, 75,000 CFS COMPUTED FOR NOV. 4, 1939 (STAGE, 4.64 NGVD AT ANGOLA).

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	45.50	46.74	39.71	47.15	52.85	50.55	41.10	45.40	44.08	37.70	32.97	43.89
2	45.50	46.50	40.81	47.27	52.90	50.02	40.62	45.53	43.55	38.37	32.39	43.69
3	45.40	46.20	41.93	47.28	52.87	49.25	40.35	45.78	42.85	39.12	31.74	43.30
4	44.98	46.00	42.30	47.60	52.95	48.46	40.14	45.94	42.14	39.92	31.19	42.90
5	44.75	45.77	42.69	47.92	52.83	47.74	40.03	46.12	41.25	40.60	30.53	42.42
6	44.40	45.50	43.13	48.25	52.74	46.83	39.98	46.21	40.28	41.18	29.65	42.05
7	44.20	45.11	43.41	48.38	52.60	45.81	39.60	46.33	39.25	41.83	28.90	42.44
8	44.20	44.55	43.58	48.90	52.52	44.78	39.18	46.50	38.30	42.50	28.20	43.10
9	44.32	43.85	43.35	49.80	52.40	43.82	38.95	46.84	37.52	42.95	27.65	43.60
10	44.55	43.00	43.19	50.35	52.40	42.89	38.83	47.18	36.80	43.30	27.55	43.94
11	44.95	42.15	43.25	50.70	52.40	42.00	38.85	47.30	35.95	43.47	27.12	44.15
12	45.49	41.06	43.50	50.85	52.49	41.45	39.21	47.40	35.35	43.55	26.73	44.40
13	46.05	40.10	43.70	51.25	52.50	41.09	39.83	47.40	35.15	43.40	26.21	44.58
14	46.35	38.93	44.25	51.35	52.70	40.89	40.30	47.38	35.17	43.20	26.03	45.05
15	46.50	37.75	44.80	51.55	52.85	40.82	40.86	47.32	35.19	42.70	26.80	45.30
16	46.65	36.90	45.30	51.82	53.05	41.05	41.40	47.30	35.35	42.00	29.41	45.45
17	46.95	36.50	45.65	52.03	53.20	41.33	41.89	47.20	35.17	40.89	29.93	45.54
18	47.05	36.39	46.00	52.15	53.15	41.70	42.22	47.15	34.97	39.53	31.13	45.58
19	47.15	36.45	46.45	52.25	53.26	41.92	42.53	46.93	34.86	38.20	30.74	45.63
20	47.30	36.80	46.80	52.50	53.33	42.10	42.76	46.81	34.92	36.94	31.73	45.69
21	47.85	37.21	47.15	52.70	53.42	42.36	42.96	46.80	35.05	35.68	34.39	45.50
22	47.98	37.80	47.55	52.85	53.38	42.71	43.20	46.60	35.05	34.54	36.78	45.25
23	47.80	38.19	47.87	53.00	53.26	43.09	43.56	46.45	35.00	33.75	38.70	44.82
24	47.55	38.28	48.10	53.08	53.05	43.58	43.75	46.30	35.21	33.12	40.20	44.20
25	47.49	38.17	48.25	53.18	52.88	43.83	43.95	46.10	35.46	33.02	41.30	43.30
26	47.40	38.36	48.30	53.18	52.65	43.62	44.16	46.05	35.78	33.35	42.25	42.35
27	47.30	38.67	48.28	53.20	52.44	43.27	44.30	45.84	36.12	33.84	42.80	41.15
28	47.25	39.12	48.00	53.21	52.19	42.80	44.52	45.70	36.57	33.67	43.41	40.20
29	47.15	-----	47.80	53.20	51.85	42.17	44.80	45.33	36.88	33.98	43.90	39.40
30	47.00	-----	47.45	53.05	51.47	41.65	45.00	44.95	37.40	33.80	44.00	38.45
31	46.83	-----	47.27	-----	51.06	-----	45.20	44.54	-----	33.39	-----	37.25

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	46.25	40.79	45.16	51.00	52.70	43.79	41.74	46.41	37.22	38.50	33.14	43.37
MAX	47.98	46.74	48.30	53.21	53.42	50.55	45.20	47.40	44.08	43.55	44.00	45.69
MIN	44.20	36.39	39.71	47.15	51.06	40.82	38.83	44.54	34.86	33.02	26.03	37.25
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
THE MEAN STAGE FOR THE YEAR WAS 43.38.  
HIGHEST STAGE WAS 53.45 AT 10:00 A.M. ON MAY 21.  
LOWEST STAGE WAS 25.90 ON NOV 14.

## DAILY STAGE FOR 1993

## MISSISSIPPI RIVER AT BAYOU SARA, LA.

LOCATION. LAT. 30-45-48, LONG. 91-23-12. LEFT BANK, NEAR CONCRETE CASTING PLANT AT MILE 265.4 (1962 SURVEY). (STA. 0114009.)

GAGE. STAFF TYPE IN SEVERAL SECTIONS.

GENERAL INFORMATION. DRAINAGE AREA, (REVISED) 1,125,400 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 36 FEET. LOW WATER REFERENCE PLANE, 5.25 FEET ON GAGE. GAGE WAS LOCATED ON RIGHT BANK FROM AUG. 13, 1930 TO AUG. 31, 1971. PRIOR TO 1975 GAGE ZERO WAS 3.76 FEET, NGVD.

RECORDS AVAILABLE. STAGE, DEC. 3, 1888, TO DATE.

EXTREMES. HIGHEST, 55.46 FEET ON MAY 15, 1927. LOWEST, 0.96 FOOT ON NOV. 16, 1895. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	37.80	38.80	31.95	39.20	44.80	42.80	33.60	37.40	36.50	29.85	25.15	36.00
2	37.80	38.60	32.90	39.20	44.90	42.15	33.10	37.65	35.90	30.40	24.70	35.90
3	37.60	38.35	34.00	39.20	44.90	41.50	32.80	37.90	35.20	31.20	24.00	35.70
4	37.30	38.05	34.40	39.55	44.85	40.70	32.65	38.00	34.75	32.00	23.40	35.30
5	37.15	37.90	34.85	39.80	44.85	40.00	32.40	38.20	33.85	32.65	22.90	34.80
6	36.85	37.60	35.20	40.00	44.55	39.30	32.10	38.30	32.90	33.20	22.00	34.50
7	36.50	37.35	35.50	40.20	44.40	38.30	32.00	38.35	31.90	33.90	21.15	34.50
8	36.60	36.80	35.70	40.80	44.30	37.30	31.50	38.50	31.00	34.55	20.50	35.10
9	36.70	36.20	35.50	41.60	44.20	36.30	31.30	38.70	30.15	35.05	19.80	35.50
10	36.80	35.30	35.40	42.00	44.20	35.20	31.10	38.95	29.40	35.45	19.40	36.00
11	37.20	34.50	35.40	42.25	44.30	34.20	31.20	39.15	28.50	35.70	19.10	36.30
12	37.50	33.80	35.65	42.55	44.30	33.80	31.40	39.30	27.70	35.80	18.80	36.60
13	38.20	32.75	36.00	42.70	44.30	33.50	31.90	39.35	27.40	35.80	18.50	36.70
14	38.40	31.20	36.30	43.10	44.45	33.30	32.40	39.35	27.30	35.50	18.25	37.20
15	38.60	30.20	36.75	43.50	44.55	33.20	32.90	39.20	27.40	35.20	19.00	37.40
16	38.80	29.55	37.20	43.70	44.85	33.25	33.45	39.20	27.55	34.60	21.40	37.60
17	39.00	28.95	37.70	43.90	45.00	33.50	34.00	39.15	27.40	33.60	21.70	37.65
18	39.20	28.80	38.00	43.95	45.00	33.90	34.35	39.05	27.20	32.50	22.80	37.70
19	39.25	28.80	38.30	44.00	45.15	34.20	34.70	39.00	27.00	31.00	22.90	37.75
20	39.50	29.10	38.70	44.10	45.20	34.40	35.00	38.85	27.20	29.85	23.10	37.85
21	40.20	29.45	39.00	44.35	45.30	34.70	35.15	38.80	27.30	28.60	25.30	37.75
22	40.10	30.00	39.40	44.50	45.30	35.00	35.40	38.65	27.30	27.20	27.80	37.50
23	39.90	30.50	39.75	44.70	45.15	35.25	35.60	38.60	27.30	26.20	30.10	37.10
24	39.80	30.65	40.00	44.85	45.00	35.70	35.80	38.40	27.30	25.60	31.70	36.50
25	39.60	30.60	40.10	44.85	44.95	36.00	36.00	38.30	27.45	25.30	33.00	35.70
26	39.40	30.85	40.30	44.90	44.70	36.00	36.20	38.05	27.80	25.30	34.00	34.70
27	39.40	31.00	40.30	44.90	44.65	35.80	36.40	37.95	28.30	25.80	34.70	33.60
28	39.30	31.40	40.00	44.90	44.30	35.30	36.50	37.85	28.55	25.80	35.30	32.70
29	39.25	-----	39.80	45.00	43.90	34.80	36.80	37.50	29.00	25.90	35.80	32.00
30	39.10	-----	39.40	44.90	43.70	34.10	37.00	37.30	29.50	26.10	36.00	31.10
31	39.00	-----	39.30	-----	43.20	-----	37.25	36.90	-----	25.80	-----	30.00

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	38.45	33.11	37.19	42.77	44.62	36.11	33.93	38.45	29.53	30.82	25.07	35.64
MAX	40.20	38.80	40.30	45.00	45.30	42.80	37.25	39.35	36.50	35.80	36.00	37.85
MIN	36.50	28.80	31.95	39.20	43.20	33.20	31.10	36.90	27.00	25.30	18.25	30.00
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 35.52.

HIGHEST STAGE WAS 45.30 ON MAY 21 AND LATER DATE(S).

LOWEST STAGE WAS 18.20 ON NOV 14.

## DAILY STAGE FOR 1993

## MISSISSIPPI RIVER AT BATON ROUGE, LA.

LOCATION. LAT. 30-25-45, LONG. 91-12-25. ON FOREBAY WALL OF PORT ALLEN LOCK AT MILE 228.4 (1962 SURVEY). (STA. 0116009.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. DRAINAGE AREA, (REVISED) 1,125,810 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 29 FEET. LOW WATER REFERENCE PLANE, 2.57 FEET ON GAGE. NATURAL FLOW IS AFFECTED BY TIDES AT LOW WATER. THE LOCATION OF GAGE WAS CHANGED SLIGHTLY SEVERAL TIMES DURING PERIOD OF RECORD. PRIOR TO 1975 GAGE ZERO WAS MINUS 0.52 FOOT, NGVD.

RECORDS AVAILABLE. STAGE, 1872 TO DATE. DISCHARGE, 1929, 1938 TO 1957, AND 1973 TO 1975. COMPUTED DAILY, FROM 1931 TO 1945, AND 1947 TO 1956.

EXTREMES. HIGHEST, 47.28 FEET ON MAY 15, 1927. LOWEST, MINUS 0.07 FOOT ON NOV. 14, 1894. MAXIMUM, 1,473,000 CFS OBSERVED ON APR. 16, 1945 (STAGE, 44.58 NGVD). MINIMUM 73,700 CFS OBSERVED ON OCT. 19, 1939 (STAGE, 2.58 NGVD). EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	30.14	31.00	24.85	31.27	36.12	34.31	26.33	29.65	29.00	22.90	18.83	28.66
2	30.15	30.88	25.80	31.15	36.14	33.75	25.90	29.85	28.57	23.42	18.37	28.60
3	30.07	30.68	26.78	31.19	36.12	33.15	25.60	30.00	28.03	24.05	17.90	28.38
4	29.92	30.52	27.17	31.62	36.05	32.50	25.35	30.15	27.49	24.80	17.42	28.04
5	29.83	30.35	27.45	31.78	35.96	31.90	25.19	30.30	26.74	25.49	16.91	27.65
6	29.45	30.15	27.76	31.90	35.90	31.21	25.07	30.37	25.92	26.06	16.25	27.22
7	29.20	29.84	28.00	31.97	35.76	30.43	24.94	30.45	25.03	26.63	15.44	27.26
8	29.40	29.40	28.22	32.57	35.65	29.55	24.55	30.57	24.23	27.23	14.82	27.67
9	29.25	28.80	28.15	33.28	35.60	28.78	24.27	30.73	23.41	27.72	14.27	28.08
10	29.37	28.10	27.98	33.48	35.59	27.97	24.10	30.90	22.67	28.12	13.93	28.44
11	29.64	27.55	27.95	33.77	35.55	27.28	24.05	31.10	21.82	28.33	13.63	28.85
12	30.12	26.74	28.15	34.07	35.57	26.70	24.20	31.24	21.05	28.39	13.35	28.97
13	30.53	25.83	28.60	34.35	35.70	26.30	24.60	31.30	20.60	28.40	13.17	29.14
14	30.77	24.90	28.53	34.53	35.80	26.00	25.12	31.30	20.54	28.35	13.02	29.61
15	31.00	23.85	28.93	34.96	35.93	25.84	25.53	31.25	20.64	28.07	13.66	29.70
16	31.12	23.03	29.60	35.06	36.07	25.90	26.07	31.23	20.67	27.58	15.33	29.85
17	31.26	22.45	30.05	35.22	36.25	26.10	26.53	31.16	20.65	26.80	15.81	29.90
18	31.39	22.25	30.27	35.30	36.37	26.40	26.89	31.08	20.55	25.72	16.58	29.90
19	31.50	22.14	30.53	35.37	36.43	26.72	27.20	31.02	20.40	24.55	16.63	29.90
20	31.85	22.31	30.80	35.48	36.56	26.93	27.50	30.95	20.40	23.35	16.76	29.90
21	32.43	22.60	31.15	35.68	36.60	27.16	27.66	30.88	20.45	22.23	18.25	30.00
22	32.24	23.12	31.41	35.85	36.59	27.40	27.85	30.73	20.50	21.02	20.37	30.00
23	32.12	23.55	31.70	35.95	36.52	27.67	28.08	30.60	20.48	20.05	22.63	29.70
24	31.93	23.75	31.92	36.00	36.36	28.08	28.18	30.47	20.53	19.35	24.26	29.10
25	31.78	23.82	32.13	36.10	36.22	28.43	28.39	30.34	20.67	18.97	25.47	28.50
26	31.66	24.08	32.24	36.29	36.11	28.45	28.58	30.30	20.95	19.00	26.55	27.70
27	31.51	24.17	32.18	36.33	35.92	28.25	28.73	30.20	21.35	19.40	27.22	26.70
28	31.43	24.50	32.01	36.30	35.74	27.82	28.88	30.07	21.77	19.35	27.80	25.90
29	31.36	-----	31.76	36.35	35.45	27.36	29.08	29.88	22.15	19.49	28.27	25.30
30	31.33	-----	31.47	36.23	35.09	26.82	29.30	29.64	22.60	19.71	28.65	24.90
31	31.12	-----	31.32	-----	34.70	-----	29.48	29.32	-----	19.28	-----	23.50

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	30.80	26.08	29.51	34.31	35.95	28.51	26.55	30.55	22.66	23.99	18.72	28.29
MAX	32.43	31.00	32.24	36.35	36.60	34.31	29.48	31.30	29.00	28.40	28.65	30.00
MIN	29.20	22.14	24.85	31.15	34.70	25.84	24.05	29.32	20.40	18.97	13.02	23.50
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 28.03.  
 HIGHEST STAGE WAS 36.69 AT 8:15 P.M. ON MAY 21.  
 LOWEST STAGE WAS 12.79 ON NOV 14.

## DAILY STAGE FOR 1993

## MISSISSIPPI RIVER AT DONALDSONVILLE, LA.

LOCATION. LAT. 30-06-30, LONG. 90-59-15. BAYOU LAFOURCHE FRESH WATER PUMPING PLANT AT MILE 175.4 (1962 SURVEY). (STA. 0122009.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. DRAINAGE AREA, (REVISED) 1,125,860 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 23 FEET. LOW WATER REFERENCE PLANE, 1.33 FEET ON GAGE. PRIOR TO JAN. 24, 1961, GAGE WAS ABOUT 0.2 MILE DOWNSTREAM. PRIOR TO 1975 GAGE ZERO WAS MINUS 1.19 FEET, NGVD.

RECORDS AVAILABLE. STAGE, JUNE 9, 1890, TO DATE.

EXTREMES. HIGHEST, 36.01 FEET ON MAY 15, 1927. LOWEST, MINUS 0.39 FOOT ON JAN. 12, 1918. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	21.71	22.59	17.00	22.72	26.60	24.85	18.20	20.57	20.19	15.01	11.63	20.38
2	21.63	22.43	17.68	22.54	26.74	24.47	17.73	20.73	19.91	15.72	11.99	20.47
3	21.71	22.40	18.71	22.54	26.65	23.92	17.47	20.97	19.71	16.12	11.57	20.34
4	21.78	22.30	19.24	23.08	26.62	23.56	17.21	21.12	19.10	16.60	11.06	20.16
5	21.48	22.15	19.49	23.12	26.58	23.02	17.15	21.20	18.40	16.97	10.67	19.75
6	21.28	21.98	19.80	23.08	26.44	22.23	17.03	21.29	17.90	17.62	10.42	19.38
7	21.02	21.67	20.16	23.02	26.35	21.60	16.85	21.54	17.10	18.22	9.57	19.17
8	21.28	21.47	20.26	23.58	26.22	20.87	16.58	21.61	16.54	18.80	9.20	19.61
9	21.14	20.85	20.15	24.08	25.91	20.19	16.41	21.64	15.94	19.10	8.60	19.89
10	21.18	20.32	19.92	24.39	26.03	19.58	16.24	21.81	15.32	19.62	8.40	20.19
11	21.40	19.88	20.15	24.70	26.07	19.12	16.18	21.99	14.50	19.98	8.30	20.57
12	21.67	19.04	20.36	24.85	26.22	18.64	16.31	22.01	14.00	19.86	8.00	20.74
13	21.94	18.29	21.05	24.94	26.16	18.22	16.70	22.15	13.50	20.09	7.90	20.95
14	22.24	17.44	20.30	25.34	26.28	17.90	17.17	22.26	13.07	19.92	7.90	21.35
15	22.52	16.55	20.63	25.87	26.33	17.80	17.46	22.06	13.40	19.85	7.80	21.42
16	22.66	15.95	21.40	25.83	26.42	17.80	17.88	22.14	13.57	19.25	9.50	21.59
17	22.62	15.36	21.74	25.96	26.63	18.10	17.92	21.96	13.41	18.84	9.97	21.57
18	22.72	15.12	22.05	26.11	26.58	18.34	18.26	22.08	13.44	18.10	10.29	21.57
19	22.85	14.96	22.07	26.08	26.70	18.56	19.15	21.85	13.41	17.10	10.09	21.67
20	23.22	14.98	22.22	26.10	26.68	18.60	19.33	21.86	13.15	16.10	10.27	21.71
21	23.76	15.22	22.75	26.30	26.95	19.06	19.56	22.02	13.42	15.10	10.90	21.67
22	23.54	15.74	22.82	26.42	27.00	19.07	19.46	21.82	13.24	14.10	12.52	21.58
23	23.27	15.83	23.12	26.46	26.82	19.47	19.25	21.57	13.47	13.45	14.00	21.33
24	23.21	16.12	23.24	26.43	26.47	19.61	19.42	21.53	13.15	12.80	15.60	20.98
25	23.28	16.39	23.46	26.60	26.70	19.86	19.64	21.26	13.40	12.42	17.00	20.47
26	22.99	16.50	23.63	26.76	26.34	20.04	19.61	21.18	13.63	11.86	17.90	19.79
27	23.03	16.51	23.59	26.90	26.36	19.98	19.96	21.22	14.06	11.90	18.90	18.99
28	22.93	16.68	23.27	26.94	26.26	19.80	19.98	20.90	14.06	12.36	19.40	18.39
29	22.71	-----	23.20	26.84	26.00	19.31	20.05	20.94	14.43	12.14	19.90	17.69
30	22.86	-----	23.13	26.72	25.73	18.84	20.30	20.72	14.96	12.57	20.20	17.02
31	22.76	-----	22.83	-----	25.38	-----	20.50	20.53	-----	12.39	-----	16.21

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	22.34	18.38	21.27	25.14	26.39	20.08	18.22	21.50	15.11	16.26	11.98	20.21
MAX	23.76	22.59	23.63	26.94	27.00	24.85	20.50	22.26	20.19	20.09	20.20	21.71
MIN	21.02	14.96	17.00	22.54	25.38	17.80	16.18	20.53	13.07	11.86	7.80	16.21
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 19.77.

HIGHEST STAGE WAS 27.06 AT 10:00 P.M. ON MAY 21.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 7.67 ON NOV 14.

## DAILY STAGE FOR 1993

## MISSISSIPPI RIVER AT COLLEGE POINT (LA.)

LOCATION. LAT. 29-59-44, LONG. 90-49-33. COLLEGE POINT LANDING AT MILE 157.4 (1962 SURVEY).  
(STA. 0124010.)

GAGE. STAFF TYPE IN SEVERAL SECTIONS.

GENERAL INFORMATION. DRAINAGE AREA, (REVISED) 1,125,870 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 17 FEET. LOW WATER REFERENCE PLANE, 1.06 FEET ON GAGE. PRIOR TO 1975 GAGE ZERO WAS 0.42 FOOT, NGVD.

RECORDS AVAILABLE. STAGE, DEC. 18, 1879, TO SEP. 30, 1885, AND DEC. 1, 1888, TO DATE.

EXTREMES. HIGHEST, 32.32 FEET ON MAY 15, 1927. LOWEST, MINUS 0.60 FOOT ON JAN. 12, 1918.  
EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	19.55	20.20	15.20	20.20	23.75	22.35	16.30	18.50	18.00	13.55	10.90	18.45
2	19.60	20.15	15.75	20.15	23.85	22.00	15.95	18.70	17.70	13.75	10.60	18.55
3	19.70	20.05	16.80	20.25	23.80	21.45	15.70	18.80	17.30	14.30	10.30	18.50
4	19.80	20.00	17.20	20.40	23.70	21.00	15.60	19.00	16.80	14.95	10.10	18.20
5	19.60	19.90	17.35	20.60	23.65	20.45	15.50	19.10	16.60	15.50	9.80	17.90
6	19.40	19.70	17.50	20.65	23.60	19.90	15.30	19.20	16.10	16.00	9.40	17.50
7	19.20	19.40	17.70	20.65	23.50	19.35	15.10	19.25	15.60	16.45	8.85	17.40
8	19.40	19.20	18.15	21.10	23.40	18.65	14.80	19.30	14.95	17.10	8.30	17.65
9	19.50	18.70	18.10	21.50	23.30	18.10	14.60	19.40	14.30	17.40	8.00	17.95
10	19.50	18.15	18.05	21.70	23.30	17.50	14.60	19.60	13.70	17.70	7.80	18.30
11	19.50	17.80	18.00	21.90	23.35	17.00	14.55	19.80	13.20	18.00	7.65	18.40
12	19.70	17.10	18.20	22.10	23.35	16.50	14.50	19.90	12.60	18.05	7.60	18.65
13	19.95	16.40	18.50	22.30	23.40	16.20	14.75	19.95	12.00	18.20	7.60	19.00
14	20.15	15.70	18.30	22.60	23.50	16.00	15.10	19.90	11.80	18.15	7.65	19.40
15	20.35	14.85	18.55	23.00	23.55	15.80	15.50	19.85	11.90	17.95	7.75	19.35
16	20.40	14.35	19.30	23.15	23.65	15.80	15.90	19.80	11.90	17.65	9.10	19.45
17	20.50	13.70	19.70	23.20	23.70	16.00	16.30	19.80	12.00	17.20	9.40	19.40
18	20.55	13.50	19.80	23.30	23.80	16.30	16.60	19.75	11.90	16.50	9.45	19.45
19	20.60	13.30	19.85	23.40	23.95	16.60	16.80	19.70	11.90	15.55	9.55	19.55
20	21.00	13.40	20.10	23.35	24.05	16.80	17.00	19.70	11.95	14.65	9.50	19.55
21	21.50	13.60	20.30	23.50	24.10	16.90	17.05	19.65	12.00	13.80	10.05	19.55
22	21.30	13.85	20.50	23.60	24.10	17.00	17.30	19.50	12.00	12.85	11.10	19.40
23	21.20	14.10	20.60	23.60	24.00	17.35	17.40	19.40	11.90	12.15	12.70	19.30
24	21.10	14.40	20.80	23.75	23.80	17.50	17.45	19.25	11.85	11.65	14.05	18.90
25	21.00	14.50	20.90	23.85	23.75	17.80	17.60	19.20	11.90	11.20	15.20	18.30
26	20.90	14.70	21.05	23.90	23.60	17.90	17.80	19.20	12.10	11.10	16.05	17.70
27	20.65	14.90	20.95	24.00	23.55	17.80	17.95	19.10	12.40	11.25	16.85	17.20
28	20.50	15.10	20.75	23.95	23.45	17.60	17.95	18.90	12.65	11.30	17.50	16.70
29	20.40	-----	20.55	23.95	23.30	17.15	18.10	18.70	12.90	11.30	17.95	16.10
30	20.55	-----	20.45	23.80	23.00	16.70	18.20	18.50	13.20	11.60	18.20	15.45
31	20.40	-----	20.35	-----	22.70	-----	18.40	18.20	-----	11.40	-----	14.55

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	20.24	16.45	19.01	22.45	23.60	17.91	16.31	19.31	13.50	14.78	10.96	18.25
MAX	21.50	20.20	21.05	24.00	24.10	22.35	18.40	19.95	18.00	18.20	18.20	19.55
MIN	19.20	13.30	15.20	20.15	22.70	15.80	14.50	18.20	11.80	11.10	7.60	14.55
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
THE MEAN STAGE FOR THE YEAR WAS 17.76.  
HIGHEST STAGE WAS 24.15 AT 4:00 P.M. ON MAY 21.  
LOWEST STAGE WAS 7.45 ON NOV 12.

## DAILY STAGE FOR 1993

## MISSISSIPPI RIVER AT RESERVE, LA.

LOCATION. LAT. 30-03-20, LONG. 90-34-07. WHARF AT MILE 138.7 (1962 SURVEY). (STA. 0126006.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT TYPE.

GENERAL INFORMATION. GAGE READ BY NATIONAL WEATHER SERVICE. DRAINAGE AREA, (REVISED)  
1,125,880 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 15 FEET. LOW WATER REFERENCE  
PLANE, 0.7 FOOT ON GAGE.

RECORDS AVAILABLE. STAGE, 1936 TO DATE.

EXTREMES. HIGHEST, 26.0 FEET ON JUNE 11, 1929. LOWEST, MINUS 0.1 FOOT ON FEB. 3, 1940.

## DAILY SEVEN A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	16.89	17.42	12.74	17.46	20.74	19.33	13.90	15.93	15.65	11.43	9.06	15.82
2	16.93	17.37	13.37	17.40	20.86	19.03	13.57	16.08	15.48	11.82	8.73	15.95
3	16.98	17.30	14.30	17.30	20.78	18.54	13.30	16.17	15.17	12.16	8.46	15.93
4	17.11	17.22	14.66	17.94	20.71	18.10	13.16	16.27	14.74	12.72	8.44	15.71
5	16.93	17.10	14.85	17.84	20.58	17.60	13.01	16.40	14.30	13.19	8.25	15.39
6	16.73	17.10	15.13	17.83	20.50	17.10	12.90	16.48	13.86	13.68	7.82	15.10
7	16.53	16.88	15.50	17.88	20.41	16.54	12.80	16.59	13.23	14.13	7.30	14.88
8	16.74	16.57	15.62	18.21	20.28	15.97	12.58	16.61	12.70	14.74	6.94	15.10
9	16.65	16.13	15.57	18.73	20.27	15.51	12.34	16.64	12.13	15.02	6.51	15.39
10	16.69	15.74	15.52	18.81	20.22	14.96	12.26	16.84	11.60	15.33	6.33	15.64
11	16.92	15.43	15.42	18.97	20.34	14.55	12.13	16.98	10.98	15.50	6.16	15.97
12	17.06	14.73	15.67	19.11	20.31	14.15	12.20	17.10	10.42	15.56	6.10	16.10
13	17.20	13.97	15.92	19.38	20.38	13.83	12.52	17.17	10.06	15.65	6.18	16.37
14	17.40	13.26	15.60	19.57	20.41	13.58	12.84	17.11	9.94	15.60	6.27	16.80
15	17.58	12.52	15.91	20.06	20.46	13.48	13.07	17.04	9.98	15.51	6.26	16.69
16	17.62	12.11	16.64	20.04	20.56	13.51	13.42	17.04	9.93	15.30	7.50	16.83
17	17.68	11.54	16.90	20.14	20.66	13.61	13.78	16.99	10.00	14.87	7.94	16.79
18	17.76	11.30	17.07	20.14	20.73	13.92	14.07	16.91	10.05	14.20	7.94	16.78
19	17.85	11.14	17.11	20.20	20.76	14.16	14.29	16.87	10.09	13.40	8.02	16.80
20	18.20	11.23	17.40	20.27	20.84	14.34	14.44	16.84	10.10	12.53	7.71	16.96
21	18.69	11.50	17.65	20.38	20.89	14.44	14.58	16.86	10.11	11.76	8.06	16.84
22	18.45	11.68	17.76	20.57	20.92	14.55	14.78	16.78	10.11	10.91	9.22	16.72
23	18.30	11.99	17.86	20.52	20.79	14.74	14.91	16.66	10.08	10.25	10.54	16.61
24	18.14	12.11	18.01	20.56	20.66	15.03	15.04	16.48	10.00	9.81	11.75	16.33
25	18.26	12.30	18.16	20.69	20.70	15.26	15.22	16.44	10.06	9.42	12.68	15.84
26	18.06	12.42	18.25	20.77	20.49	15.38	15.33	16.43	10.20	9.35	13.54	15.31
27	17.82	12.45	18.08	20.78	20.38	15.28	15.43	16.34	10.34	9.41	14.22	14.73
28	17.74	12.57	18.04	20.84	20.24	15.10	15.47	16.24	10.56	9.40	14.84	14.27
29	17.62	-----	17.68	20.84	20.07	14.74	15.58	16.12	10.91	9.50	15.29	13.73
30	17.74	-----	17.60	20.81	19.90	14.33	15.70	15.95	11.20	9.79	15.54	13.10
31	17.58	-----	17.54	-----	19.65	-----	15.79	15.79	-----	9.32	-----	12.38

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	17.48	14.04	16.37	19.47	20.50	15.36	13.88	16.59	11.47	12.62	9.12	15.71
MAX	18.69	17.42	18.25	20.84	20.92	19.33	15.79	17.17	15.65	15.65	15.54	16.96
MIN	16.53	11.14	12.74	17.30	19.65	13.48	12.13	15.79	9.93	9.32	6.10	12.38
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 15.24.  
 HIGHEST STAGE WAS 21.10 AT 4:00 P.M. ON MAY 20.  
 LOWEST STAGE WAS 5.86 ON NOV 14.



## DAILY STAGE FOR 1993

## MISSISSIPPI RIVER AT BONNET CARRE (LA.)

LOCATION. LAT. 29-59-55, LONG. 90-26-35. ON LEFT BANK NEAR LOWER GUIDE LEVEE OF BONNET CARRE  
SPILLWAY AT MILE 127.1 (1962 SURVEY). (STA. 0128007.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. DRAINAGE AREA, (REVISED) 1,125,890 SQUARE MILES (CONTRIBUTING). BANKFULL  
STAGE, 14 FEET. LOW WATER REFERENCE PLANE, 0.68 FOOT ON GAGE. THE LOCATION OF GAGE HAS BEEN  
CHANGED SLIGHTLY SEVERAL TIMES DURING PERIOD OF RECORD. PRIOR TO 1974 GAGE ZERO WAS 0.08 FOOT,  
NGVD.

RECORDS AVAILABLE. STAGE, MAR. 19, 1930 TO 1973, 1975 TO 1980, 1982 TO DATE. BUT ONLY ABOVE TEN  
FEET FOR 1953 TO 1984.

EXTREMES. HIGHEST, 23.79 FEET (FROM WATERMARK) ON JUNE 10, 1929. LOWEST, MINUS 0.62 FOOT ON JAN.  
24 AND 25, 1940. EXTREMES HAVE BEEN ADJUSTED TO PRESENT DATUM.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	15.30	15.72	11.48	15.71	18.81	17.51	12.06	14.49	14.18			14.25
2	15.29	15.67	12.08	15.72	18.89	17.14	11.75	14.65	14.05			14.42
3	15.45	15.66	12.92	15.65	18.84	16.73	11.48	14.63				14.46
4	15.59	15.56	13.24	16.21	18.75	16.30	11.35	14.71				14.28
5		15.47	13.38	16.16	18.68	15.83	11.18	14.84				13.89
6	15.21	15.48	13.63	16.15	18.50	15.34		14.90				13.65
7	15.00	15.24	14.04	16.15	18.43	14.91	11.57		12.03			13.42
8	15.22	14.99	14.17		18.34	14.36	11.33	15.01	11.52			13.55
9	15.18	14.64	14.17	16.94	18.34	13.95	11.17	15.05	10.98			13.87
10	15.20	14.24	14.09	16.92	18.31	13.49	11.09	15.24			14.08	
11	15.37	13.97	13.98	17.11	18.35	13.12	11.01	15.39				14.42
12		13.32	14.21	17.24	18.35	12.77	11.04	15.51				14.55
13	15.64	12.70	14.43	17.41	18.46		11.41	15.51			5.59	14.83
14	15.72	12.02	14.06	17.67			11.69	15.48			5.70	15.19
15	15.93	11.38	14.39	18.13		12.20	11.93	15.43				15.11
16	15.94	11.02	15.14	18.12		12.30	12.22	15.41				15.23
17	15.97	10.47	15.37	18.18		12.43	12.55	15.34				15.19
18	16.08	10.21	15.47	18.23		12.64	12.82	15.29			15.18	
19	16.12	10.08	15.54	18.28		12.94	13.02	15.24		12.10		15.15
20	16.61	10.15	15.78	18.32	18.88	13.06	13.15	15.26		11.44	6.95	
21	16.91		15.99	18.42	18.93		13.26	15.28		10.74	7.17	
22	16.72	10.56	16.11	18.54	18.90	13.27	13.49	15.14		9.96	8.15	
23	16.62	10.86	16.14	18.56	18.85	13.41	13.59	15.06		9.31	9.34	
24	16.45	10.93	16.31	18.61	18.74	13.48	13.66	14.92		8.92	10.39	
25	16.59	11.13	16.43	18.68	18.73	13.36	13.86	14.87		8.53	11.27	
26	16.38	11.26	16.45	18.77	18.55	13.32	13.95	14.91		8.48	12.10	
27	16.19	11.25	16.37	18.84	18.47	13.30	14.06	14.82			12.69	
28	16.09	11.37	16.22	18.87	18.40	13.17	14.12	14.73		8.46	13.26	
29	15.92	-----	15.97	18.87	18.18	12.83	14.18	14.62		8.57	13.69	
30	16.04	-----	15.88	18.80	17.97	12.39	14.29	14.42				
31	15.87	-----	15.84	-----	17.81	-----	14.38	14.30	-----		-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	15.88	12.79	14.82	17.63	18.54	13.91	12.56	15.01	12.55	9.65	9.69	14.46
MAX	16.91	15.72	16.45	18.87	18.93	17.51	14.38	15.51	14.18	12.10	13.69	15.23
MIN	15.00	10.08	11.48	15.65	17.81	12.20	11.01	14.30	10.98	8.46	5.59	13.42
DAYS	29	27	31	29	25	27	30	30	5	10	12	19

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 274  
THE MEAN STAGE FOR THE YEAR WAS 14.57.  
HIGHEST STAGE WAS 19.11 AT 3:00 P.M. ON MAY 22.  
LOWEST STAGE WAS 5.29 ON NOV 14.

## DAILY STAGE FOR 1993

## MISSISSIPPI RIVER AT NEW ORLEANS (CARROLLTON), LA.

LOCATION. LAT. 29-56-05, LONG. 90-08-10. CORPS OF ENGINEERS DOCK AT MILE 102.8 (1962 SURVEY).  
(STA. 0130007.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. DRAINAGE AREA, (REVISED) 1,125,910 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 11.0 FEET. LOW WATER REFERENCE PLANE, 0.48 FOOT ON GAGE. NATURAL FLOW IS AFFECTED BY TIDES. GAGE PRIOR TO 1957 WAS AT MILE 103.5.

RECORDS AVAILABLE. STAGE, JAN. 12, 1872 TO DATE. DISCHARGE, INTERMITTENTLY, 1851, 1852, 1879 TO 1950, 1969, 1971, AND 1973 TO DATE. COMPUTED DAILY, 1928 TO 1936 AND 1938 TO 1944.

EXTREMES. HIGHEST, 21.27 FEET ON APR. 25, 1922. LOWEST, MINUS 1.60 FEET ON DEC. 27, 1872. MAXIMUM, 1,557,000 CFS WAS OBSERVED ON MAY 18, 1927 (STAGE, 20.5), AT MERAUX, LA. (MILE 87.1). BUT FLOW WAS AFFECTED BY ARTIFICIAL CREVASSE MADE ON APR. 29 AT CAERNARVON, LA. (MILE 81.6) MINIMUM, 49,200 CFS OBSERVED ON NOV. 1, 1939 (STAGE, 1.2).

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1986 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	11.96	12.32	8.81	12.28	14.85	13.96	10.03	11.55	11.43	8.12	6.36	11.43
2	11.98	12.31	9.32	12.30	14.95	13.75	9.77	11.67	11.36	8.34	6.13	11.60
3	12.10	12.30	10.05	12.28	14.85	13.39	9.56	11.72	11.20	8.62	6.10	11.65
4	12.28	12.34	10.29	12.80	14.83	13.05	9.46	11.81	10.71	9.09	6.04	11.55
5	12.10	12.22	10.43	12.79	14.75	12.68	9.27	11.90	10.45	9.47	5.99	11.20
6	11.97	12.32	10.66	12.68	14.65	12.21	9.18	11.99	10.12	9.90	5.72	10.96
7	11.80	12.17	11.05	12.69	14.60	11.87	9.10	12.08	9.73	10.25	5.28	10.73
8	12.00	11.90	11.12	13.02	14.48	11.51	8.94	12.09	9.32	10.80	5.00	10.76
9	12.04	11.63	11.12	13.30	14.49	11.14	8.83	12.05	8.89	10.99	4.65	11.00
10	12.03	11.37	11.11	13.29	14.43	10.74	8.74	12.27 F	8.50	11.24	4.57	11.23
11	12.30	11.18	10.98	13.45	14.49	10.44	8.65	12.40	8.02	11.35	4.37 E	11.50
12	12.33	10.58	11.20	13.50	14.55	10.16	8.71	12.49	7.62	11.35	4.35 E	11.70
13	12.35	9.92	11.17	13.66	14.60	9.90	8.94	12.54	7.27	11.50	4.45	11.91
14	12.43	9.37	10.87	13.90	14.62	9.76	9.18	12.47	7.21	11.36	4.60	12.21
15	12.53	8.80	11.10	14.33	14.65	9.73	9.36	12.40	7.15	11.35	4.55	12.13
16	12.50	8.55	11.93	14.23	14.78	9.72	9.65	12.36	7.08	11.26	5.43	12.26
17	12.51	8.08	12.05	14.30	14.78	9.84	9.89	12.30	7.14	10.96	5.81	12.18
18	12.53	7.90	12.20	14.33	14.88	10.05	10.15	12.27	7.24	10.40	5.83	12.14
19	12.63	7.77	12.25	14.40	14.90	10.28	10.23	12.22	7.33	9.75	5.82	12.17
20	13.05	7.81	12.43	14.53	14.97	10.35	10.34	12.20	7.34	9.24	5.57	12.39
21	13.32	8.14	12.63	14.50	15.03	10.40	10.45	12.27	7.38	8.70	5.64	12.17
22	13.15	8.20	12.69	14.55	15.02	10.45	10.64	12.19	7.37	8.06	6.33	12.12
23	13.06	8.43	12.75	14.58	14.92	10.61	10.73	12.12	7.34	7.50	7.17	11.98
24	13.07	8.45	12.85	14.64	14.88	10.83	10.79	12.02	7.24	7.20	7.95	11.80
25	13.18	8.62	13.01	14.69	14.77	10.95	11.00	12.00	7.26	6.80	8.70	11.50
26	12.96	8.81	13.00	14.75	14.65	11.10	11.15	12.10	7.30	6.79	9.30	11.10
27	12.77	8.70	12.90	14.82	14.62	11.08	11.22	11.99	7.37	6.74	9.90	10.54
28	12.63	8.73	12.79	14.80	14.59	11.02	11.31	11.90	7.46	6.65	10.40	10.30
29	12.50	-----	12.50	14.85	14.47	10.74	11.33	11.80	7.72	6.75	10.79	9.90
30	12.61	-----	12.44	14.85	14.31	10.38	11.45	11.64	7.91	7.02	11.09	9.40
31	12.43	-----	12.40	-----	14.17	-----	11.50	11.52	-----	6.58	-----	8.85

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	12.49	9.96	11.62	13.84	14.69	11.07	9.99	12.08	8.32	9.17	6.46	11.37
MAX	13.32	12.34	13.01	14.85	15.03	13.96	11.50	12.54	11.43	11.50	11.09	12.39
MIN	11.80	7.77	8.81	12.28	14.17	9.72	8.65	11.52	7.08	6.58	4.35	8.85
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

E=ESTIMATED F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 10.94.

HIGHEST STAGE WAS 15.25 AT 3:00 P.M. ON MAY 22.

LOWEST STAGE WAS 4.17 ON NOV 15.

## DAILY STAGE FOR 1993

## MISSISSIPPI RIVER (IWW) AT HARVEY LOCK (LA.)

LOCATION. LAT. 29-54-35, LONG. 90-05-04. ON FOREBAY LOCK WALL AT MILE 98.3 (1962 SURVEY).  
(STA. 0132007.)

GAGE. WIRE WEIGHT TYPE.

GENERAL INFORMATION. BANKFULL STAGE, 9.5 FEET. LOW WATER REFERENCE PLANE, 0.35 FOOT ON GAGE.  
PRIOR TO 1974 GAGE ZERO WAS AT M.L.G.

RECORDS AVAILABLE. STAGE, JAN. 1, 1924, TO DATE.

EXTREMES. HIGHEST, 19.42 FEET ON APR. 24, 1927. LOWEST, MINUS 0.68 FOOT ON DEC. 17 AND 18, 1953.  
EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	11.30	11.50	8.30	11.63	14.06	13.25	9.75	10.95	10.94	7.84	6.23	10.97
2	11.36	11.60	8.72	11.57	14.14	13.05	9.15	11.10	10.89	7.97	5.49	11.03
3	11.50	11.55	9.50	11.62	14.12	12.65	9.10	11.15	10.64	8.24	5.83	11.15
4	11.65	11.74	9.82	12.03	13.98	12.30	8.90	11.29	10.28	8.68	5.86	11.10
5	11.50	11.66	9.93	12.19	14.01	11.95	8.65	11.38	10.01	9.06	5.75	10.65
6	11.46	11.81	10.06	12.10	13.78	11.68	8.55	11.39	9.74	9.33	5.50	10.45
7	11.29	11.64	10.47	12.05	13.83	11.13	8.57	11.46	9.27	9.65	5.05	10.15
8	11.48	11.35	10.48	12.25	13.65	10.95	8.49	11.44	8.96	10.31	4.80	10.30
9	11.37	11.03	10.48	12.55	13.63	10.60	8.34	11.50	8.46	10.40	4.78	10.43
10	11.46	10.70	10.50	12.50	13.63	10.23	8.27	11.68	8.00	10.62	4.35	10.73
11	11.67	10.55	10.39	12.70	13.73	9.97	8.19	11.79	7.70	10.68	4.20	10.97
12	11.71	10.01	10.56	12.75	13.90	9.67	8.24	11.94	7.12	10.87	4.10	11.03
13	11.76	9.48	10.54	12.90	14.00	9.42	8.49	11.80	6.89	10.93	4.38	11.40
14	11.50	8.96	10.31	13.08	13.95	9.26	8.62	11.76	6.80	10.95	4.50	11.51
15	11.85	8.40	10.50	13.55	14.00	9.17	8.81	11.75	6.75	10.84	4.35	11.46
16	11.84	8.31	11.35	13.50	14.00	9.14	9.11	11.72	6.80	10.85	5.15	11.75
17	11.87	7.68	11.45	13.45	14.01	9.25	9.53	11.65	6.77	10.58	5.63	11.57
18	11.90	7.40	11.50	13.65	13.99	9.43	9.52	11.64	6.96	10.15	5.71	11.47
19	11.95	7.45	11.65	13.58	14.06	9.70	9.61	11.40	7.14	9.44	5.51	11.47
20	12.30	7.30	11.75	13.65	13.97	9.82	9.81	11.60	6.98	8.90	5.45	11.84
21	12.69	7.75	11.90	13.60	14.08	9.81	9.90	11.55	7.16	8.25	5.41	11.53
22	12.35	7.70	11.82	13.69	14.14	9.87	10.05	11.55	7.13	7.85	5.98	11.68
23	12.10	7.95	12.00	13.83	14.07	10.04	10.30	11.53	7.30	7.15	6.72	11.55
24	12.20	7.95	12.10	13.90	13.95	10.23	10.35	11.35	6.91	6.95	7.47	11.16
25	12.65	8.25	12.30	13.87	13.96	10.36	10.47	11.40	6.93	6.65	8.27	10.84
26	12.45	8.42	12.23	13.62	13.78	10.53	10.51	11.50	7.80	6.52	8.88	10.39
27	12.15	8.23	12.15	13.96	13.83	10.65	10.61	11.25	7.90	6.51	9.42	10.11
28	12.00	8.21	12.09	13.95	13.75	10.51	10.69	11.20	7.65	6.51	9.87	9.78
29	11.75	-----	11.70	14.00	13.60	10.30	10.75	11.15	7.39	6.39	10.23	9.25
30	11.80	-----	11.75	14.15	13.60	9.87	10.83	11.05	7.61	6.34	10.61	8.75
31	11.85	-----	11.73	-----	13.31	-----	10.95	11.05	-----	6.08	-----	8.69

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	11.83	9.45	10.97	13.06	13.89	10.49	9.46	11.45	8.03	8.76	6.18	10.81
MAX	12.69	11.81	12.30	14.15	14.14	13.25	10.95	11.94	10.94	10.95	10.61	11.84
MIN	11.29	7.30	8.30	11.57	13.31	9.14	8.19	10.95	6.75	6.08	4.10	8.69
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
THE MEAN STAGE FOR THE YEAR WAS 10.38.  
HIGHEST STAGE WAS 14.15 ON APR 30.  
LOWEST STAGE WAS 4.10 ON NOV 12.

## DAILY STAGE FOR 1993

## MISSISSIPPI RIVER (IWW) AT INNER HARBOR NAVIGATION CANAL LOCK (LA.)

LOCATION. LAT. 29-57-46, LONG. 90-01-45. ON HANDRAIL OF FOREBAY WALL AT MILE 92.7 (1962 SURVEY).  
(STA. 0134007.)

GAGE. WIRE WEIGHT TYPE.

GENERAL INFORMATION. BANKFULL STAGE, 8.5 FEET. LOW WATER REFERENCE PLANE, 0.15 FOOT ON GAGE.  
PRIOR TO 1975 GAGE ZERO WAS MINUS 20.48 FEET, NGVD.

RECORDS AVAILABLE. STAGE, JAN. 1945 TO DATE.

EXTREMES. HIGHEST, 17.52 FEET FROM APR. 27 TO 29, 1945 AND FEB. 10 AND MAR. 4, 1950. LOWEST,  
MINUS 0.48 FOOT ON DEC. 15, 1953 AND JAN. 4, 1954. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	10.7	11.1	7.8	10.9	13.2	12.6	9.0	10.5	10.3	7.5	5.7	10.2
2	10.7	11.0	8.4	10.9	13.2	12.5	8.9	10.8	10.2	7.5	5.5	10.3
3	11.0	11.0	9.0	10.9	13.3	11.9	8.8	10.8	10.0	7.8	5.6	10.4
4	11.0	11.0	9.3	11.2	13.1	11.6	8.5	10.9	9.6	8.1	5.5	10.4
5	11.0	11.0	9.2	11.3	13.1	11.3	8.2	10.6	9.5	8.5	5.5	10.4
6	10.7	11.0	9.3	11.3	13.1	10.8	8.2	10.7	9.3	9.0	5.1 E	10.1
7	10.5	10.9	10.0	11.5	12.9	10.6	8.0	10.9	8.7	9.2	4.9 E	10.0
8	10.8	10.5	10.5	11.7	12.9	10.2	8.0	10.9	8.5	9.8	4.5 E	10.1
9	10.8	10.5	10.2	11.9	12.8	9.9	7.9	10.9	8.1	9.8	4.1	9.9
10	10.7	10.2	10.0	11.8	12.8	9.5	8.0	11.3	7.6	10.1	4.1	10.0
11	E 10.9	10.1	9.7	11.8	12.7	9.5	7.6	11.2	7.1	10.3	3.9 E	10.1
12	11.2	9.6	10.0	11.9	12.9	9.2	7.6	11.4	6.8	10.3	4.0	10.4
13	11.1	9.0	9.9	12.1	12.8	8.9	8.0	11.4	6.5	10.4	4.1	10.7
14	11.0	8.5	9.5	12.3	12.9	8.7	8.3	11.5	6.5	10.2	4.2 E	10.9
15	11.0	8.0	9.8	12.7	12.9	8.8	8.6	11.2	6.5	10.4	4.2	11.0
16	11.0	7.8	10.6	12.6	13.3	8.9	8.6	11.3 E	6.3	10.4	4.9	11.0
17	11.3	7.5	10.9	12.6	13.1	9.0	8.9	11.3	6.4	10.0	5.2	11.0
18	E 11.3	7.2	11.0	12.9	13.1	9.0 E	9.0	11.2	6.5	9.5	5.1	10.8
19	11.3	7.0	11.0	12.9	13.2	9.2	9.1	11.4	6.4	9.0	5.2 E	10.7
20	11.7	7.1	11.2	13.0	13.2	9.3	9.5	11.0	6.5	8.6	5.1	11.1
21	11.8	7.3	11.3	12.8	13.2	9.4	9.4 E	10.9	6.8	7.9	5.1	10.8
22	11.7	7.2	11.4	12.9	13.4	9.5	9.6 E	11.0	6.5	7.2	5.4	10.7
23	11.7	7.5	11.5	13.0	13.4	9.6	9.8	10.9	6.8	7.0	6.4	10.7
24	11.8	7.5	11.5	13.1	13.3	9.8	9.8	10.7	6.6	6.5	7.1	10.5
25	11.9	8.0	11.5	13.1	13.4	9.9	10.2	10.8	6.6	6.5	7.8	10.3
26	11.8	8.0	11.4	13.2	13.0	10.0	10.2	10.9	6.7	6.3	8.2	9.9
27	11.3	8.0	11.5	13.0	13.3	10.0	9.9 E	10.7	6.7	6.3	8.8	9.5
28	11.3	7.8	11.5	13.1	13.0	9.7	10.4	10.7	6.8	6.0	9.1	9.2
29	11.2	-----	11.1	13.2	13.0	9.7	10.2	10.6 E	7.0	6.4 E	9.5	9.0
30	11.3	-----	11.1	13.4	13.0	9.3	10.3	10.4	7.5	6.5	10.1 E	8.5
31	11.1	-----	11.0	-----	12.7	-----	10.2	10.3	-----	5.9	----- E	8.8

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	11.2	9.0	10.4	12.3	13.1	9.9	9.0	10.9	7.5	8.4	5.8	10.2
MAX	11.9	11.1	11.5	13.4	13.4	12.6	10.4	11.5	10.3	10.4	10.1	11.1
MIN	10.5	7.0	7.8	10.9	12.7	8.7	7.6	10.3	6.3	5.9	3.9	8.3
DAYS	31	28	31	30	30	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
THE MEAN STAGE FOR THE YEAR WAS 9.8.  
HIGHEST STAGE WAS 13.4 ON APR 30 AND LATER DATE(S).  
LOWEST STAGE WAS 3.9 ON NOV 11.

## DAILY STAGE FOR 1993

## MISSISSIPPI RIVER AT CHALMETTE, LA.

LOCATION. LAT. 29-56-42, LONG. 90-00-12 PIER ON UPSTREAM END OF AMERICAN SUGAR REFINERY WHARF, NEAR CHALMETTE SLIP, AND AT MILE 91.0 (1962 SURVEY). (STA. 0136007.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. DRAINAGE AREA, (REVISED) 1,125,920 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 8.0 FEET. LOW WATER REFERENCE PLANE, 0.08 FOOT ON GAGE. GAGE PRIOR TO MAY 17, 1951, WAS 0.3 MILE DOWNSTREAM. SUBTRACT 0.1 FROM DAILY STAGES FROM 1954 TO 1964. PRIOR TO 1974 GAGE ZERO WAS MINUS 2.22 FEET, NGVD.

RECORDS AVAILABLE. STAGE, OCT. 23, 1923, TO DATE.

EXTREMES. HIGHEST, 17.58 FEET ON APR. 25 AND 26, 1927. LOWEST, MINUS 0.52 FOOT ON JAN. 24 AND 26, 1940. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	10.21	10.60	7.57	10.58	12.76	12.10	8.89	10.19	10.04	7.12	5.55	9.98
2	10.23	10.59	8.04	10.53	12.93	11.93	8.66	10.30	10.01	7.33	5.37	10.12
3	10.38	10.58	8.68	10.52	12.86	11.65	8.40	10.29	9.87	7.56	5.37	10.18
4	10.51	10.62	8.97	11.00	12.75	11.33	8.33	10.37	9.43	7.97	5.36	10.16
5	10.40	10.59	8.95	11.10	12.70	11.01	8.14	10.42	9.19	8.34	5.35	9.78
6	10.33	10.64	9.16	10.94	12.57	10.61	8.06	10.51	8.92	8.72	5.11	9.55
7	10.12	10.55	9.54	10.96	12.54	10.35	7.99	10.61	8.57	9.03	4.70	9.27
8	10.40	10.35	9.66	11.23	12.40	10.01	7.81	10.61	8.18	9.57	4.45	9.32
9	10.41	10.08	9.66	11.53	12.39	9.71	7.72	10.57	7.82	9.72	4.10	9.51
10	10.40	9.83	9.67	11.41	12.40	9.36	7.66	10.78	7.46	9.93	4.05	9.67
11	10.65	9.76	9.53	11.54	12.45	9.12	7.60	10.90	7.02	10.03	3.85	9.89
12	10.80	9.22	9.72	11.58	12.51	8.91	7.65	11.02	6.68	10.04	3.82	10.03
13	10.72	8.61	9.71	11.70	12.60	8.70	7.91	11.04	6.42	10.10	3.91	10.25
14	10.70	8.14	9.39	11.88	12.58	8.55	8.09	11.00	6.37	10.01	4.07 F	10.47
15 F	10.82	7.58	9.55	12.32	12.65	8.50	8.27	10.93	6.26	10.04	4.12 F	10.49
16	10.78	7.40	10.35	12.20	12.74	8.52	8.54	10.85	6.19	9.94	4.83 F	10.48
17	10.78	6.93	10.41	12.27	12.73	8.65	8.76	10.77	6.23	9.73	5.19 F	10.49
18	10.80	6.84	10.58	12.26	12.84	8.88	8.96	10.74	6.30	9.19	5.22	10.49
19	10.90	6.72	10.62	12.34	12.86	9.08	9.00	10.72	6.42	8.61	5.24	10.49
20	11.27	6.75	10.72	12.45	12.91	9.15	9.08	10.69	6.46	8.15	4.96	
21	11.49	7.12	10.90	12.40	12.96	9.16	9.20	10.77	6.58	7.71	4.96	10.47
22	11.37	7.10	10.97	12.52	12.96	9.25	9.36	10.69	6.55	7.14	5.56	10.43
23	11.28	7.33	10.98	12.53	12.89	9.37	9.44	10.64	6.54	6.67	6.28	10.32
24	11.32	7.32	11.04	12.58	12.80	9.58	9.49	10.54	6.45	6.45	6.93	10.14
25	11.38	7.50	11.18	12.62	12.78	9.67	9.71	10.50	6.47	6.05	7.57	9.85
26	11.19	7.69	11.13	12.60	12.63	9.79 F	9.82	10.61	6.50	6.03	8.14	9.47
27	11.01	7.54	11.07	12.71	12.59	9.80	9.91	10.52	6.55	5.96	8.59	9.13
28	10.92	7.54	10.95	12.69	12.61	9.75	9.96	10.45	6.55	5.85	9.01	8.90
29	10.76	-----	10.71	12.71	12.48	9.52	10.00	10.35	6.79	5.95	9.36	8.55
30	10.86	-----	10.67	12.74	12.41	9.20	10.11	10.19	6.94	6.22	9.61	8.13
31	10.70	-----	10.65	-----	12.31	-----	10.14	10.10	-----	5.74	-----	7.67

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	10.77	8.63	10.02	11.88	12.66	9.71	8.80	10.60	7.33	8.09	5.69	9.79
MAX	11.49	10.64	11.18	12.74	12.96	12.10	10.14	11.04	10.04	10.10	9.61	10.49
MIN	10.12	6.72	7.57	10.52	12.31	8.50	7.60	10.10	6.19	5.74	3.82	7.67
DAYS	31	28	31	30	31	30	31	31	30	31	30	30

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 9.51.

HIGHEST STAGE WAS 13.20 AT 4:00 P.M. ON MAY 22.

LOWEST STAGE WAS 3.69 ON NOV 15.

## DAILY STAGE FOR 1993

## MISSISSIPPI RIVER (IWW) AT ALGIERS LOCK (LA.)

LOCATION. LAT. 29-54-50, LONG. 89-58-20. ON FOREBAY LOCK WALL AT MILE 88.3 (1962 SURVEY).  
(STA. 0138004.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. BANKFULL STAGE, 7.5 FEET. LOW WATER REFERENCE PLANE, 0.08 FOOT ON GAGE. PRIOR TO 1974 GAGE ZERO WAS MINUS 0.22 FOOT, M.L.G.

RECORDS AVAILABLE. STAGE, MAY 1, 1956, TO DATE.

EXTREMES. HIGHEST, 16.11 FEET ON APR. 7, 1973. LOWEST, MINUS 0.15 FOOT ON JAN. 19, 1981.  
EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	9.88	10.10	7.20	10.22	12.37	11.65	8.44	9.70	9.58	6.78	5.20	9.62
2	9.86	10.18	7.55	10.22	12.51	11.47	8.12	9.80	9.57	6.95	5.00	9.80
3	10.04	10.07	8.16	10.15	12.40	11.10	7.92	9.83	9.43	7.20	5.00	9.88
4	10.18	10.10	8.44	10.50	12.25	10.72	7.77	9.88	8.97	7.58	4.94	9.86
5	10.00	9.95	8.55	10.72	12.20	10.55	7.70	9.95	8.75	7.93	4.93	9.45
6	10.12	10.08	8.72	10.55	12.12	10.10	7.65	10.03	8.50	8.30	4.68	9.25
7	9.68	10.05	8.90	10.45	11.95	9.91	7.57	10.14	8.14	8.63	4.28	8.98
8	10.05	9.88	9.08	10.72	11.87	9.52	7.30	10.13	7.87	9.18	4.03	9.02
9	10.03	9.68	9.21	11.03	11.90	9.21	7.28	10.10	7.53	9.29	3.55	9.20
10	9.98	9.50	9.28	10.93	11.95	8.86	7.23	10.30	7.15	9.45	3.52	9.34
11	10.32	9.44	9.10	11.20	11.90	8.62	7.18	10.42	6.73	9.57	3.39	9.52
12	10.35	8.84	9.30	11.18	12.03	8.41	7.27	10.55	6.40	9.60	3.40	9.68
13	10.29	8.17	9.25	11.20	12.10	8.28	7.47	10.55	6.15	9.67	3.55	9.90
14	10.15	7.72	9.22	11.40	12.17	8.10	7.70	10.51	6.13	9.58	3.72	10.28
15	10.24	7.32	9.14	11.82	12.21	7.86	7.78	10.44	6.00	9.59	3.72	10.20
16	10.30	7.03	10.00	11.70	12.20	7.83	8.12	10.35	5.93	9.50	4.47	10.28
17	10.30	6.65	10.22	11.82	12.20	8.00	8.25	10.30	5.95	9.30	4.85	10.22
18	10.34	6.58	10.10	11.87	12.22	8.39	8.55	10.28	6.05	8.85	4.85	10.15
19	10.38	6.35	10.11	11.92	12.30	8.30	8.58	10.25	6.20	8.23	4.90	10.18
20	10.71	6.36	10.40	11.96	12.40	8.58	8.62	10.23	6.25	7.80	4.68	10.40
21	10.98	6.75	10.47	11.95	12.42	8.60	8.77	10.29	6.28	7.38	4.67	10.13
22	10.85	6.72	10.55	11.99	12.45	8.65	8.89	10.22	6.23	6.80	5.25	10.12
23	10.72	6.94	10.60	11.90	12.35	8.80	9.03	10.18	6.23	6.35	5.90	9.98
24	10.85	7.00	10.62	12.15	12.29	9.02	9.05	10.10	6.13	6.16	6.55	9.80
25	10.93	6.80	10.75	12.21	12.32	9.02	9.05	10.05	6.13	5.75	7.20	9.49
26	10.72	7.30	10.65	12.10	12.30	9.38	9.35	10.18	6.18	5.72	7.77	9.13
27	10.57	7.22	10.68	12.23	12.04	9.43	9.45	10.06	6.20	5.64	8.21	8.80
28	10.49	7.20	10.52	12.16	12.10	9.35	9.50	10.00	6.25	5.54	8.64	8.55
29	10.26	-----	10.37	12.14	12.05	9.00	9.50	9.90	6.50	5.62	8.97	8.20
30	10.48	-----	10.28	12.22	11.98	8.78	9.62	9.75	6.60	5.75	9.24	7.79
31	10.21	-----	10.28	-----	11.87	-----	9.65	9.65	-----	5.32	-----	7.35

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	10.33	8.21	9.60	11.42	12.17	9.18	8.33	10.13	7.00	7.71	5.30	9.50
MAX	10.98	10.18	10.75	12.23	12.51	11.65	9.65	10.55	9.58	9.67	9.24	10.40
MIN	9.68	6.35	7.20	10.15	11.87	7.83	7.18	9.65	5.93	5.32	3.39	7.35
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 9.09.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 12.51 ON MAY 2.

LOWEST STAGE WAS 3.30 ON NOV 11.

## DAILY STAGE FOR 1993

MISSISSIPPI RIVER NEAR BRAITHWAITE, LA.

LOCATION. LAT. 29-51-43, LONG. 89-58-21. ON DOCK OF AMAX NICKEL PLANT, LEFT BANK AT MILE 76.6 (1962 SURVEY). (STA. 0138604.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. BANKFULL STAGE, 7.0 FEET.

RECORDS AVAILABLE. STAGE, FEB. 26, 1977 TO DATE.

EXTREMES. HIGHEST, 12.32 FEET ON MAY 30, 1984. LOWEST, MINUS 0.40 FOOT ON JAN. 19, 1981.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1984 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	8.78	8.96	6.55	8.87	10.77	10.37	7.76	8.79		6.11	5.35	8.49
2	8.79	8.96	6.94	8.91	10.96	10.26	7.54	8.90		6.20	4.77	8.67
3	8.87	9.01	7.51	8.96	10.87	9.96	7.34	8.88		6.29	4.66	8.74
4	9.00	9.02	7.58	9.37	10.81	9.68	7.29	8.93		6.70	4.66	8.76
5	8.81	9.01	7.59	9.47	10.74	9.46	7.10	8.96		7.03	4.69	8.41
6	8.68	9.04	7.80	9.39	10.64	9.11	7.02	9.03		7.43	4.49	8.28
7	8.52	9.00	8.22	9.39	10.61	8.87	6.94	9.12		7.69	4.52	8.11
8	8.68	8.82	8.28	9.67	10.49	8.54	6.77	9.12		8.18	4.00	8.01
9	8.76	8.68	8.28	9.89	10.51	8.30	6.75	9.11		8.31	3.58	8.16
10	8.82	8.51	8.31	9.75	10.46	8.01	6.68	9.30		8.59	3.54	8.32
11	9.07	8.46	8.20	9.82	10.47	7.84	6.62	9.40		8.97	3.34	8.45
12	9.25	8.00	8.41	9.87	10.54	7.68	6.70	9.50		8.61	3.30	8.73
13	9.11	7.45	8.27	9.90	10.56	7.50	6.92	9.53		8.50	3.38	8.80
14	9.18	7.04	8.24	10.05	10.62	7.43	7.02	9.49		8.53	3.48	9.09
15	9.22	6.60	8.22	10.40	10.67	7.40	7.22	9.40		8.53	3.45	9.11
16	9.16	6.47	8.81	10.36	10.75	7.42	7.44	9.35		8.44	4.14	9.32
17	9.18	6.22	8.79	10.40	10.78	7.55	7.63	9.27		8.29	4.51	9.32
18	9.08	6.12	8.99	10.37	10.87	7.77	7.81	9.23		7.92	4.53	9.14
19	9.09	6.05	9.03	10.46	10.90	7.95	7.86	9.19		7.52	4.65	9.10
20	9.46	5.84	9.12	10.57	11.02	7.97	7.87	9.18		7.21	4.38	9.32
21	9.61	6.21	9.30	10.50	11.07	7.93	7.96		5.85	6.86	4.48	9.04
22	9.51	6.21	9.38	10.65	11.07	7.99	8.09		5.82	6.74	4.91	9.03
23	9.47	6.45	9.44	10.60	10.96	8.08	8.16		5.85	6.12	5.34	9.05
24	9.51	6.41	9.45	10.62	10.91	8.25	8.18		5.74	5.81	5.87	8.85
25	9.73	6.58	9.59	10.69	10.82	8.33	8.39		5.75	5.44	6.42	8.60
26	9.55	6.81	9.51	10.64	10.73	8.41	8.50		5.75	5.38	6.85	8.44
27	9.45	6.69	9.45	10.70	10.70	8.44	8.59		5.87	5.28	7.26	7.83
28	9.31	6.56	9.31	10.67	10.73	8.41	8.62		6.12	5.22	7.85	7.61
29	9.10	-----	9.14	10.68	10.61	8.29	8.68		6.03	5.22	7.90	7.34
30	9.25	-----	9.06	10.75	10.57	8.00	8.75		6.02	5.34	8.17	7.24
31	9.11	-----	9.00	-----	10.49	-----	8.78		-----	5.61	-----	6.96

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	9.13	7.47	8.57	10.08	10.73	8.37	7.64	9.18	5.88	7.03	4.95	8.53
MAX	9.73	9.04	9.59	10.75	11.07	10.37	8.78	9.53	6.12	8.97	8.17	9.32
MIN	8.52	5.84	6.55	8.87	10.46	7.40	6.62	8.79	5.74	5.22	3.30	6.96
DAYS	31	28	31	30	31	30	31	20	10	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 334  
 THE MEAN STAGE FOR THE YEAR WAS 8.25.  
 HIGHEST STAGE WAS 11.24 AT 1:00 P.M. ON MAY 22.  
 LOWEST STAGE WAS 3.16 ON NOV 15.

DAILY STAGE FOR 1993  
MISSISSIPPI RIVER AT ALLIANCE, LA.

LOCATION. LAT. 29-41-07, LONG. 89-58-11. ON UPSTREAM END OF COKE DOCK OF GULF REFINERY, RIGHT BANK AT MILE 62.5 (1962 SURVEY). (STA. 0139004.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. BANKFULL STAGE, 7.0 FEET.

RECORDS AVAILABLE. STAGE, APR. 2, 1977 TO DATE.

EXTREMES. HIGHEST, 10.33 FEET ON APR. 22, 1979. LOWEST, MINUS 0.21 FOOT ON JAN. 19, 1981.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1984 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	7.17	7.39	5.50	7.35	8.97	8.67	6.66	7.40	7.33	5.27	4.07	6.98
2	7.14	7.34	5.78	7.37	9.17	8.60	6.46	7.48	7.39	5.35	3.90	7.20
3	7.28	7.45		7.44	9.10	8.36	6.24	7.47	7.24	5.53	3.99	7.30
4	7.43	7.43		7.84	9.02	8.07	6.23	7.51	6.89	5.83	4.02	7.35
5	7.27	7.42		7.90	8.93	7.88	6.03	7.56	6.82	6.11	4.09	6.98
6	7.13	7.52		7.83	8.84	7.58	5.97	7.61	6.66	6.43	3.92	6.87
7	6.97	7.53		7.83	8.80	7.44	5.88	7.69	6.45	6.72	3.62	6.68
8	7.20	7.35 F	6.77	8.11	8.67	7.22	5.73	7.66	6.20	7.18	3.41	6.60
9	7.27	7.25	6.80	7.94	8.67	7.03	5.75	7.67	6.02	7.23	3.13	6.70
10	7.35	7.17	6.89	7.70	8.64	6.82	5.70	7.85	5.75	7.41	3.10	6.97
11	7.57	7.15	6.81	7.75	8.69	6.67	5.65	7.94	5.46	7.43	2.84	7.03
12	7.70	6.67	7.03	7.83	8.78	6.57	5.75	8.05	5.28	7.40	2.82	7.20
13	7.49	6.17	6.79	7.87	8.81	6.41	5.94	8.07	5.07	7.43	2.86	7.45
14	7.45	5.81	6.46	8.03	8.85	6.40	6.00	8.04	5.06	7.33	2.95	7.65
15	7.50	5.50	6.58		8.91	6.35	6.17	7.95	4.87	7.33	2.94	7.63
16	7.44	5.36	7.32		9.01	6.37	6.34	7.90	4.76	7.27	3.46	7.70
17	7.41	5.10	7.21		9.04	6.49	6.51	7.81	4.76	7.18	3.87	7.70
18	7.37	4.98	7.40		9.15	6.72	6.65	7.76	4.82	6.85	3.80	7.65
19	7.45	4.87	7.42 F	8.69	9.15	6.86	6.68	7.74	4.97	6.47	3.97	7.66
20	7.74	4.90	7.54	8.79	9.27	6.85	6.66	7.75	5.05	6.27	3.75	7.94
21	8.01	5.26	7.64	8.73	9.30	6.78	6.73	7.77	5.13	5.99	3.68	7.53
22	7.90	5.25	7.75	8.80	9.30	6.87	6.85	7.73	5.08	5.59	4.02	7.59
23	7.85	5.45	7.85	8.78	9.19	6.95	6.90	7.70	5.12	5.22	4.43	7.44
24	8.02	5.37	7.90	8.83	9.13	7.09	6.91	7.70	5.03	5.13	4.80	7.32
25	8.17	5.62 F	7.97	8.86	9.04	7.15	7.12	7.71	5.03	4.76	5.25	7.00
26	7.96	5.82	7.82	8.82	8.90	7.22	7.21	7.88	5.02	4.67	5.60	6.79
27	7.76	5.58	7.79	8.86	8.89	7.26	7.29	7.75	4.98	4.54	5.91	6.52
28	7.64	5.52	7.67	8.82	8.95	7.26	7.31	7.71	4.98	4.39	6.20	6.43
29	7.54	-----	7.48	8.87	8.84	7.13	7.34	7.62	5.13	4.47	6.42	6.23
30	7.61	-----	7.50	8.91	8.84	6.88	7.41	7.48	5.21	4.57	6.58	5.97
31	7.45	-----	7.48	-----	8.79	-----	7.40	7.37	-----	4.15	-----	5.68

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	7.52	6.22	7.20	8.25	8.96	7.13	6.50	7.72	5.59	6.05	4.11	7.09
MAX	8.17	7.53	7.97	8.91	9.30	8.67	7.41	8.07	7.39	7.43	6.58	7.94
MIN	6.97	4.87	5.50	7.35	8.64	6.35	5.65	7.37	4.76	4.15	2.82	5.68
DAYS	31	28	26	26	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 356  
F=NOT AT STATED TIME  
THE MEAN STAGE FOR THE YEAR WAS 6.85.  
HIGHEST STAGE WAS 9.50 AT 1:00 P.M. ON MAY 22.  
LOWEST STAGE WAS 2.57 ON NOV 15.



## DAILY STAGE FOR 1993

## MISSISSIPPI RIVER AT WEST POINTE A LA HACHE, LA.

LOCATION. LAT. 29-34-16, LONG. 89-47-49. ON RIGHT BANK AT PLAQUEMINES PARISH WATER INTAKE, AT MILE 48.7 (1962 SURVEY). (STA. 0140004.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. DRAINAGE AREA, (REVISED) 1,125,940 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 3.0 FEET. LOW WATER REFERENCE PLANE, 0.06 FOOT ON GAGE. PRIOR TO 1974 GAGE ZERO WAS MINUS 0.06 FOOT, NGVD.

RECORDS AVAILABLE. STAGE, FEB. 24, 1926, TO DATE. DISCHARGE, 1927, 1929, AND 1943.

EXTREMES. HIGHEST, 15.25 FEET (NEAR CREST OF HURRICANE) ON SEP. 9, 1965. LOWEST, MINUS 1.06 FEET ON JAN. 24 AND 25, 1940. EXTREME STAGES HAVE BEEN ADJUSTED TO NGVD. MAXIMUM, 1,360,000 CFS OBSERVED ABOVE RELIEF OUTLET ON APR. 29, 1927 (STAGE, 9.64 NGVD). ON THE SAME DAY, 1,058,000 CFS WAS OBSERVED BELOW THE OUTLET. THE RELIEF OUTLET, ON THE EAST BANK, EXTENDED FROM ABOUT MILE 33 TO MILE 44. FLOW WAS AFFECTED BY A CREVASSE WHICH OCCURRED ON APR. 23 AT JUNIOR, LA. (MILE 54), AND BY AN ARTIFICIAL CREVASSE MADE ON APR. 29 AT CAERNARVON, LA. (MILE 81.6).

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1984 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	6.15	6.25	4.60	6.17	7.55	7.40	5.83	6.46	6.38	4.74	3.61	
2	6.12	6.26	4.97	6.19	7.83	7.31	5.67	6.55	6.47	4.77	3.46	
3	6.25	6.30	5.34	6.25	7.73	7.10 F	5.47	6.47	6.34	4.95	3.59	
4	6.37	6.29	5.28	6.68	7.66	6.95 F	5.43	6.48	6.02	5.22	3.65	
5	6.23	6.30	5.20	6.71	7.58	6.75		6.52	6.02	5.40	3.77	
6	6.08	6.43	5.35	6.64	7.52	6.47		6.55	5.90	5.70	3.68	
7	5.93	6.42	5.68	6.60	7.51	6.36		6.61	5.75	5.98	3.40	
8	6.14	6.27	5.77	6.87	7.38	6.15		6.58	5.53	6.40	3.21	
9	6.23	6.16	5.81	6.97	7.37	6.01		6.60	5.43	6.38	2.95 F	6.10
10	6.32	6.09	5.84	6.74	7.31	5.85		6.76	5.20	6.56	2.90	5.97
11	6.57	6.11	5.77	6.77	7.32	5.75		6.83	4.96	6.55	2.68	5.93
12	6.70	5.67	6.00	6.80	7.40	5.69 F	5.03	6.96	4.81	6.50	2.65	6.08
13	6.48	5.23	5.83	6.85	7.39	5.62		6.98	4.61	6.50	2.73	6.27
14	6.46	4.90	5.38	7.01	7.42		5.30	6.94	4.61	6.40	2.83	6.46
15	6.44	4.67	5.43	7.42	7.50		5.47	6.85	4.42	6.37	2.80	
16	6.39	4.62	6.17	7.24	7.58		5.61	6.76	4.32	6.30	3.24	
17	6.34	4.40	6.10	7.28	7.60		5.75	6.72	4.32	6.28	3.62	
18	6.28	4.27	6.27	7.23	7.70		5.86	6.68	4.34	5.98	3.58	
19	6.35	4.16	6.25	7.32	7.70		5.84	6.67	4.50	5.65	3.74	
20	6.67	4.17	6.37	7.39	7.81		5.85	6.68	4.55	5.58	3.59	
21	6.79	4.54	6.48	7.35	7.82 F	6.18	5.88	6.68	4.63	5.36	3.48	
22	6.70	4.51	6.59	7.45	7.83	6.00	5.97	6.66	4.62	5.08	3.69	
23	6.67	4.70	6.65	7.39	7.70	6.05	5.99	6.64	4.66	4.77	4.00	
24	6.85	4.60	6.67	7.44	7.68	6.13	6.02	6.65	4.57	4.74	4.30	
25	7.05	4.83	6.83	7.46	7.65	6.16	6.23	6.67	4.58	4.36	4.67	
26	6.83	5.01	6.75	7.38	7.50	6.23	6.29	6.87	4.55	4.31	5.02	
27	6.63	4.76	6.65	7.45	7.49	6.30	6.38	6.74	4.49	4.13	5.11	
28	6.50	4.68	6.54	7.42	7.54	6.33	6.42	6.70	4.50	3.96		
29	6.41	-----	6.37	7.45	7.46	6.23	6.44	6.61	4.64	4.03		
30	6.51	-----	6.37	7.51	7.50	6.03	6.52	6.50	4.69	4.12		
31	6.32	-----	6.42	-----	7.47	-----	6.50	6.40	-----	3.66	-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	6.44	5.31	5.99	7.05	7.56	6.31	5.88	6.67	5.01	5.38	3.55	6.14
MAX	7.05	6.43	6.83	7.51	7.83	7.40	6.52	6.98	6.47	6.56	5.11	6.46
MIN	5.93	4.16	4.60	6.17	7.31	5.62	5.03	6.40	4.32	3.66	2.65	5.93
DAYS	31	28	31	30	31	23	24	31	30	31	27	6

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 323

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 5.95.

HIGHEST STAGE WAS 8.03 AT 1:00 P.M. ON MAY 22.

LOWEST STAGE WAS 2.40 ON NOV 15.

## DAILY STAGE FOR 1993

## MISSISSIPPI RIVER AT PORT SULPHUR, LA.

LOCATION. LAT. 29-28-38, LONG. 89-41-22. MILE 39.3 (1962 SURVEY), ON RIGHT BANK AT FREEPORT SULPHUR COMPANY. (STA. 0142004.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. BANKFULL STAGE, 3.0 FEET. PRIOR TO 1977 STAGES WERE PUBLISHED AS RECEIVED FROM FREEPORT SULPHUR COMPANY.

RECORDS AVAILABLE. STAGE, NOV. 22, 1933, TO OCT. 10, 1937, NOV. 10 TO 19, 1939, AND AUG. 1, 1940, TO DATE.

EXTREMES. (FROM 1941 TO DATE) HIGHEST, 9.50 FEET ON MAR. 4 AND LATER DATES IN 1950. LOWEST, MINUS 0.60 FOOT ON JAN. 19, 1977.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1984 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	5.27	5.42	4.05	5.47	6.67	6.55	5.16	5.70	5.56	4.15	3.20	5.24
2	5.30	5.45	4.36	5.48	6.84	6.43	5.05	5.77	5.53	4.15	2.98	5.43
3	5.40	5.49	4.67	5.54	6.83	6.23	4.89	5.66	5.38	4.31	3.14	5.50
4	5.50	5.43	4.60	5.96	6.75	6.08	4.88	5.65	5.02	4.52	3.16	5.65
5	5.36	5.44	4.48	5.99	6.63	5.89 F	4.78	5.70	5.04	4.73	3.33	5.35
6	5.21	5.55	4.61	5.87	6.60	5.66		5.70	4.85	5.01	3.40	5.28
7	5.08	5.51	4.93	5.85	6.57	5.55		5.75	4.75	5.28	3.06	5.17
8	5.27	5.38	5.02	6.15	6.45	5.34		5.72	4.91	5.68	2.80	5.02
9	5.33	5.42	5.08	6.23	6.45	5.22		5.76	4.82	5.65	2.57	5.11
10	5.45	5.37	5.15	5.98	6.34	5.08		5.93	4.25	5.84	2.53	5.19
11	5.67	5.43	5.08	5.94	6.38	5.00		6.00	4.13	5.80	2.28	5.15
12	5.82	5.00	5.33	5.99	6.45	4.95 F	4.32	6.11	4.01	5.73	2.23	5.22
13	5.62	4.55	5.08	6.03	6.46	4.90	4.66	6.15	3.84	5.71	2.26	5.36
14	5.64	4.28	4.71	6.16	6.52	4.95	4.65	6.14	3.84	5.65	2.31	5.50
15	5.63	4.06	4.77	6.50	6.57	4.95	4.82	6.07	3.65	5.59	2.24	5.63
16	5.55	4.03	5.42	6.36	6.63	4.99	4.96	5.99	3.58	5.52	2.68	5.72
17	5.48	3.83	5.35	6.37	6.65	5.10	5.07	5.89	3.59	5.48	3.05	5.75
18	5.42	3.68	5.47	6.35	6.78	5.27	5.20	5.84	3.62	5.20	3.06	5.71
19	5.46	3.58	5.47	6.42	6.79	5.42	5.15	5.80	3.82	5.03	3.18	5.78
20	5.76	3.58	5.60	6.55	6.90	5.38	5.10	5.77	3.95	4.99	3.14	6.06
21	5.90	3.97	5.67	6.56	6.93	5.28	5.12	5.78	4.12	4.82	3.02	5.68
22	5.85	3.94	5.80	6.62	6.95	5.32	5.20	5.76	4.15	4.57	3.18	5.75
23	5.81	4.12	5.90	6.55	6.80	5.30	5.20	5.76	4.18	4.30	3.48	5.58
24	6.00	4.03	5.93	6.62	6.76	5.38	5.24	5.79	4.09	4.30	3.68	5.50
25	6.20	4.25	6.10	6.65	6.69	5.38	5.40	5.85	4.10	3.94	4.00	5.15
26	5.98	4.46	6.00	6.60	6.54	5.45	5.50	6.13	4.06	3.93	4.25	5.00
27	5.79	4.20	5.91	6.60	6.55	5.50	5.60	6.02	4.01	3.75	4.47	4.73
28	5.64	4.12	5.80	6.57	6.60	5.57	5.75	5.95	4.03	3.59	4.65	4.68
29	5.60	-----	5.68	6.55	6.55	5.47	5.76	5.85	4.14	3.61	4.75	4.62
30	5.69	-----	5.66	6.65	6.56	5.30	5.76	5.74	4.16	3.80	4.86	4.44
31	5.50	-----	5.71	-----	6.57	-----	5.75	5.65	-----	3.27	-----	4.30

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	5.59	4.63	5.27	6.24	6.64	5.43	5.16	5.85	4.31	4.77	3.23	5.30
MAX	6.20	5.55	6.10	6.65	6.95	6.55	5.76	6.15	5.56	5.84	4.86	6.06
MIN	5.08	3.58	4.05	5.47	6.34	4.90	4.32	5.65	3.58	3.27	2.23	4.30
DAYS	31	28	31	30	31	30	25	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 359

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 5.21.

HIGHEST STAGE WAS 7.15 AT 9:00 P.M. MAY 1.

LOWEST STAGE WAS 1.98 ON NOV 15.

DAILY STAGE FOR 1993  
MISSISSIPPI RIVER AT EMPIRE, LA.

LOCATION. LAT. 29-23-25, LONG. 89-35-45. AT ENTRANCE TO EMPIRE LOCK AT MILE 29.5 (1962 SURVEY).  
(STA. 0144004.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. DRAINAGE AREA, (REVISED) 1,125,960 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 1.0 FOOT. LOW WATER REFERENCE PLANE, MINUS 0.21 FOOT ON GAGE.

RECORDS AVAILABLE. JAN. 1, 1960 TO AUG. 17, 1969 AND JUL. 9, 1970 TO DATE.

EXTREMES. HIGHEST, 10.92 FEET, FROM WATERMARK LEFT BY HURRICANE OF AUG. 17, 1969. LOWEST, MINUS 1.23 FEET ON JAN. 19, 1981.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1984 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	4.29	4.35	3.35	4.50	5.66	5.65	4.50	5.00	4.93	3.65	2.58	4.46
2	4.31	4.45	3.65	4.47	5.85	5.58	4.42	5.06	4.98	3.56	2.40	4.67
3	4.49	4.46	3.90	4.60	5.84	5.42	4.30	4.95	4.83	3.69	2.57	4.74
4	4.62	4.46	3.75	4.90		5.30	4.31	4.93	4.55	3.90	2.65	4.87
5	4.39	4.45	3.60	4.99 F	5.72	5.13	4.08	4.92	4.57	4.05	2.85	4.54
6	4.42	4.60	3.70	5.00	5.75	4.92	4.00	4.93	4.50	4.33	2.80	4.47
7	4.28	4.55	4.00	4.98	5.74	4.83	3.90	4.95	4.46	4.60	2.62	4.36
8	4.41	4.47	4.05	5.30	5.63	4.66	3.80	4.92	4.35	4.94	2.52	4.20
9	4.51	4.53	4.12	5.30	5.60	4.53	3.87	4.95	4.30	4.90	2.36	4.27
10	4.63	4.47	4.25	5.06	5.49	4.41	3.80	5.10	4.10	5.07	2.35	4.31
11	4.83	4.60	4.18	4.98	5.43	4.32	3.80	5.17	4.00	5.00	2.10	4.28
12	4.91	4.17	4.45	5.00	5.49		3.92	5.35	3.94	4.95 F	2.33	4.35
13	4.70	3.72	4.06	5.11	5.47		4.11	5.38	3.79	4.93 F	2.46	4.51
14	4.73	3.50	3.80	5.21	5.51		4.07	5.35	3.80	4.82	2.06	4.63
15	4.70	3.34	3.84	5.53	5.58		4.25		3.57	4.77	1.95	4.63
16	4.61	3.30	4.51	5.35	5.64		4.38 F	5.32	3.50	4.68	2.35	4.72
17	4.51	3.10	4.35	5.38	5.68		4.48	5.15	3.43	4.65 F	2.94	4.70
18	4.48	3.05	4.47	5.33	5.80		4.58	5.10	3.40	4.45	2.70	4.71
19	4.52	3.03	4.45	5.48	5.77		4.50	5.04	3.55	4.25	2.82	4.77
20	4.80	3.05	4.60	5.53	5.95		4.55	4.95	3.60	4.30	2.83	5.07
21	4.85	3.47	4.65	5.50	5.94 F	4.80	4.54	4.98	3.74	4.13	2.74	4.68
22	4.80	3.48	4.80	5.58	5.96	4.65	4.63	4.95	3.78	4.02	2.83	4.75
23	4.87	3.53	4.90	5.51	5.85	4.62	4.51	4.95	3.85	3.80	3.05	4.61
24	5.07	3.39	4.88	5.60	5.85	4.65	4.53	4.98	3.77	3.87	3.17	4.55
25	5.34	3.64	5.05	5.65	5.78	4.63	4.70	5.08	3.75	3.50	3.43	4.20
26	4.93	3.85	4.98	5.57	5.60	4.68	4.75	5.32	3.70	3.46	3.54	4.08
27	4.75	3.54	4.90	5.55	5.63	4.77	4.90	5.23	3.62	3.24	3.72	3.82
28	4.54	3.46	4.82	5.52	5.67	4.85	4.95	5.15	3.63	3.01	3.86	3.80
29	4.55	-----	4.71	5.55	5.62	4.77	4.95	5.09	3.73	3.07	3.90	3.74
30	4.63	-----	4.75	5.62	5.65	4.63	5.06	5.00	3.63	3.10	4.12	3.58
31	4.47	-----	4.79	-----	5.65	-----	5.02	5.00	-----	2.61	-----	3.44

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	4.64	3.86	4.33	5.25	5.69	4.85	4.39	5.07	3.98	4.11	2.82	4.40
MAX	5.34	4.60	5.05	5.65	5.96	5.65	5.06	5.38	4.98	5.07	4.12	5.07
MIN	4.28	3.03	3.35	4.47	5.43	4.32	3.80	4.92	3.40	2.61	1.95	3.44
DAYS	31	28	31	30	30	21	31	30	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 354  
F=NOT AT STATED TIME  
THE MEAN STAGE FOR THE YEAR WAS 4.44.  
HIGHEST STAGE WAS 6.40 AT 6:45 P.M. ON MAR 12.  
LOWEST STAGE WAS 1.75 ON NOV 15.

## DAILY STAGE FOR 1993

## MISSISSIPPI RIVER AT VENICE, LA.

LOCATION. LAT. 29-16-33, LONG. 89-21-10. ON RIGHT BANK AT MILE 10.7 (1962 SURVEY).  
(STA. 0148004.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. BANKFULL STAGE, 1.0 FOOT. LOW WATER REFERENCE PLANE, MINUS 0.36 FOOT ON GAGE.

RECORDS AVAILABLE. STAGE, FEB. 1944 TO DATE.

EXTREMES. HIGHEST, 9.11 FEET, FROM WATERMARK LEFT BY HURRICANE OF AUG. 17, 1969. LOWEST, MINUS 0.77 FOOT ON DEC. 25, 1989.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1984 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.75	2.81	2.32	3.01	3.82	3.94	3.33	3.47	3.40	2.67	1.79	2.80
2	2.74	2.97	2.60	2.95	3.96	3.98	3.33	3.51	3.48	2.55	1.66	3.02
3	2.84	3.02	2.76	3.01	3.98	3.85	3.21	3.43	3.35	2.65	1.85	3.13
4	2.93	3.01	2.57	3.45	3.89	3.80	3.32	3.35	3.06	2.77	2.00	3.29
5	2.80	3.01	2.37	3.43	3.91	3.66	2.96	3.31	3.14	2.87	2.30	3.00
6	2.73	3.09	2.44	3.43	3.83	3.47	2.90	3.32	3.12	3.13	2.27	2.97
7	2.64	3.05	2.67	3.48	3.85	3.42	2.79	3.40	3.09	3.36	2.10	2.87
8	2.77	2.97	2.73	3.70	3.76	3.28	2.68	3.31	3.17	3.62	2.12	2.75
9	2.80	3.07	2.85	3.80	3.73	3.11	2.77	3.35	3.23	3.60	1.87	2.82
10	2.89	3.06	2.96	3.55	3.61	3.05	2.70	3.49	3.08	3.66	1.85	2.87
11	3.10	3.28	2.90	3.45	3.62	2.98	2.70	3.55	3.06	3.58	1.63	2.78
12	F 3.31	2.98	3.18	3.43	3.70	2.96	2.86	3.70	3.10	3.50	1.60	2.80
13	3.07	2.55	3.03	3.39	3.72	2.96	3.04	3.75	3.02	3.42	1.58	2.96
14	3.05	2.40	2.54	3.52	3.68	3.03	2.95	3.73	3.12	3.34	1.55	3.10
15	3.07	2.32	2.52	3.78	3.76	3.12	3.10	3.70	2.78	3.28	1.43	3.04
16	3.01	2.39	3.06	3.54	3.82	3.20	3.23	3.62	2.66	3.21	1.62	3.11
17	2.87	2.18	2.94	3.52	3.83	3.33	3.30	3.56	2.58	3.27	2.00	3.13
18	2.83	2.11	3.01	3.50	3.96	3.45	3.40	3.50	2.50	3.15	2.02	3.18
19	2.88	2.02	2.97	3.65	3.97	3.59	3.28	3.44	2.68	2.97	2.13	3.25
20	3.10	2.03	3.07	3.75	4.13	3.58	3.17	3.32	2.78	3.18	2.17	3.54
21	3.15	2.44	3.15	3.70	4.12	3.40	3.12	3.34	2.90	3.10	2.11	3.19
22	3.15	2.37	3.30	3.70	4.14	3.40	3.27	3.38	2.91	3.02	2.02	3.23
23	3.20	2.45	3.32	3.71	4.06	3.30	3.03	3.35	2.99	2.93	2.14	3.10
24	3.40	2.40	3.30	3.75	4.06	3.23	3.05	3.44	2.95	3.05	2.16	3.04
25	3.49	2.65	3.48	3.82	4.00	3.17	3.22	3.49	2.96	2.79	2.25	2.70
26	3.37	2.83	3.45	3.67	3.83	3.21	3.25	3.77	2.92	2.74	2.37	2.61
27	3.20	2.52	3.37	3.72	3.80	3.29	3.38	3.70	2.75	2.50	2.46	2.39
28	3.08	2.42	3.29	3.67	3.88	3.40	3.48	3.65	2.66	2.27	2.53	2.41
29	3.05	-----	3.24	3.70	3.85	3.46	3.46	3.60	2.70	2.35	2.53	2.43
30	3.14	-----	3.23	3.78	3.90	3.42	3.57	3.52	2.65	2.43	2.58	2.35
31	2.99	-----	3.25	-----	3.95	-----	3.51	3.50	-----	1.84	-----	2.31

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	3.01	2.66	2.96	3.55	3.87	3.37	3.14	3.50	2.96	2.99	2.02	2.91
MAX	3.49	3.28	3.48	3.82	4.14	3.98	3.57	3.77	3.48	3.66	2.58	3.54
MIN	2.64	2.02	2.32	2.95	3.61	2.96	2.68	3.31	2.50	1.84	1.43	2.31
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 3.08.

HIGHEST STAGE WAS 4.62 AT 7:30 P.M. ON MAR 12.

LOWEST STAGE WAS 1.30 ON NOV 15.

## DAILY STAGE FOR 1993

## MISSISSIPPI RIVER AT HEAD OF PASSES (LA.)

LOCATION. LAT. 29-08-35, LONG. 89-15-03. ON RIGHT BANK AT HEAD OF SOUTH PASS, 0.6 MILE DOWNSTREAM FROM ZERO MILE POINT. (STA. 0154504.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. DRAINAGE AREA, (REVISED) 1,125,970 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 1.0 FOOT. LOW WATER REFERENCE PLANE, MINUS 0.36 FOOT ON GAGE. THE LOCATION OF GAGE HAS BEEN CHANGED SEVERAL TIMES DURING PERIOD OF RECORD.

RECORDS AVAILABLE. STAGE, NOV. 1875, TO SEP. 16, 1947, AND MAR. 31, 1948, TO DATE. DISCHARGE, INTERMITTENTLY FROM 1838 TO DATE.

EXTREMES. (SINCE JULY, 1930) HIGHEST, 12.03 FEET, FROM WATERMARK LEFT BY HURRICANE OF AUG. 17, 1969. LOWEST, MINUS 0.87 FOOT ON DEC. 25, 1989.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.11	2.28	1.60	2.44	3.10	2.93					0.94	1.83
2	2.14	2.27	1.91	2.28	3.29	3.02					0.82	2.02
3	2.22	2.37	2.10	2.40	3.29	2.92					1.07	
4	2.33	2.36	1.87	2.82	3.27	2.96					1.20	
5	2.12	2.28	1.60	2.79	3.32 F	2.76					1.55	2.00
6	1.98	2.36	1.66	2.80	3.27		F 1.90				1.55	2.00
7	1.90	2.37	1.83	2.91	3.34		F 2.02		F	2.10	1.44	1.98
8	1.99	2.25	1.88	3.24	3.28		1.75			2.56	1.51	1.88
9	2.05	2.28	2.00	3.27	3.32		1.90			2.56	1.34	1.95
10	2.15	2.31	2.12	3.10	3.26		1.77			2.67	1.36	1.98
11	2.34	2.57	2.12	2.88	3.07		1.73			2.60	1.13	1.85
12	2.46	2.28	2.44	2.85	3.13		1.93			2.54	1.10	1.89
13	2.35	1.80	2.42	2.84	3.04					2.45	1.02	2.00
14	2.39	1.63	1.70	2.95	2.94					2.34	0.94	2.07
15	2.46	1.60	1.67	3.18	2.95					2.22	0.89	2.01
16	2.38	1.61	2.28	2.89	2.98					2.09	0.95	2.08
17	2.20	1.44	2.19	2.82	2.99					2.10	1.22	2.07
18	2.12	1.35	2.22	2.75	3.09					1.95	1.32	2.18
19	2.16	1.32	2.14	3.00	3.10					1.85	1.40	2.30
20	2.37	1.30	2.30	3.07	3.38					2.14	1.48	2.57
21	2.45	1.67	2.38	3.08	3.37					2.17	1.49	2.28
22	2.44	1.63	2.50	3.10	3.43					2.15	1.37	2.31
23	2.47	1.72	2.62	3.11	3.47					2.13	1.45	2.18
24	2.72	1.68	2.58	3.23	3.49					2.34	1.42	2.15
25	2.86	1.98	2.80	3.34 F	3.49					2.12	1.50	1.80
26	2.78	2.25	2.84	3.14	3.20					2.04	1.60	1.62
27	2.64	1.87	2.75	3.30	3.20					1.75	1.67	1.35
28	2.42	1.70	2.66	3.13	3.10					1.50	1.65	1.44
29	2.47	-----	2.66	3.13	2.98					1.59	1.50	1.43
30	2.56	-----	2.65	3.14	2.95					1.63	1.57	1.43
31	2.40	-----	2.70	-----	2.95	-----			-----	1.03	-----	1.37

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.34	1.95	2.23	2.97	3.19	2.92	1.86			2.10	1.31	1.93
MAX	2.86	2.57	2.84	3.34	3.49	3.02	2.02			2.67	1.67	2.57
MIN	1.90	1.30	1.60	2.28	2.94	2.76	1.73			1.03	0.82	1.35
DAYS	31	28	31	30	31	5	7	0	0	25	30	29

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 247

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 2.27.

HIGHEST STAGE WAS 3.75 AT 8:30 P.M. ON MAR 12.

LOWEST STAGE WAS 0.70 ON NOV 2.

## DAILY STAGE FOR 1993

## SOUTHWEST PASS AT MILE 9.2 (LA.)

LOCATION. LAT. 29-01-40, LONG. 89-20-10. ON LEFT BANK AT CHEVRON OIL COMPANY DOCK, 9.1 MILES BELOW HEAD OF PASSES. (STA. 0157504.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. BANKFULL STAGE, 1.0 FOOT.

RECORDS AVAILABLE. NOV. 1971 TO DATE.

EXTREMES. HIGHEST, 4.94 FEET (AFFECTED BY WIND) ON APR. 26, 1973. LOWEST, MINUS 1.03 FEET ON JAN. 19, 1977.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.42							3.42	3.26	2.86	1.65	2.11
2	2.42							3.50	3.27	2.39	1.38	2.44
3	2.56							3.24	3.12	2.49	1.69	2.51
4	2.68							3.08	2.70	2.46	1.86	2.69
5	2.36	2.74						3.02	2.74	2.46	2.29	2.40
6	2.14	2.95						2.88	2.71	2.60	2.26	2.53
7	1.95	3.06						2.87	2.73	2.79	2.34	2.61
8	2.01	2.87					2.66	2.60	2.73	3.03	2.33	2.43
9	2.10	3.05					2.73	2.63	2.96	3.07	2.33	2.51
10	2.24	3.15					2.62	2.76	2.88	3.19	2.45	2.53
11	2.55	3.54					2.45	2.81	3.03	3.29	2.25	2.11
12	2.87	3.17					2.69	3.12	3.29	3.29	2.22	2.06
13	2.68	2.59					2.88	3.28	3.31	3.28	2.03	2.26
14	2.78	2.49					2.76	3.42	3.55	3.09	1.76	2.24
15	2.80	2.43					2.96	3.56	3.14	2.85	1.52	2.13
16	2.69	2.55					3.20	3.49	2.98	2.55	1.63	2.17
17		2.27					3.30	3.40	2.82	2.54	1.98	2.26
18		2.36					3.55	3.30	2.50	2.33	2.00	2.45
19							3.42	3.15	2.58	2.16	2.16	2.65
20							3.24	2.89	2.54	2.56	2.23	3.08
21							3.19	2.70	2.64	2.67	2.40	2.66
22							3.00	2.55	2.81	2.89	2.21	2.86
23							2.67	2.49	2.96	2.91	2.20	2.70
24							2.56	2.75	3.03	3.22	2.13	2.65
25							2.50	2.80	3.17	3.11	2.20	2.03
26							2.52	3.36	3.27	3.02	2.22	1.88
27							2.83	3.38	3.06	2.78	2.34	1.59
28							3.03	3.47	3.02	2.53	2.13	1.69
29		-----					3.14	3.50	3.04	2.58	1.91	1.78
30		-----					3.41	3.38	2.84	2.72	1.87	1.80
31		-----		-----		-----	3.43	3.44	-----	2.28	-----	1.74

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.45	2.80					2.95	3.10	2.96	2.77	2.07	2.31
MAX	2.87	3.54					3.55	3.56	3.55	3.29	2.45	3.08
MIN	1.95	2.27					2.45	2.49	2.50	2.16	1.38	1.59
DAYS	16	14	0	0	0	0	24	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 207

THE MEAN STAGE FOR THE YEAR WAS 2.67.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 4.33 AT 6:00 P.M. ON DEC 13.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 0.90 ON JUL 27.

## DAILY STAGE FOR 1993

## MISSISSIPPI RIVER (SOUTHWEST PASS) AT EAST JETTY (LA.)

LOCATION. LAT. 28-55-38, LONG. 89-29-12. ON RIGHT BANK AT PILOTS STATION, ABOUT 18.2 MILES BELOW HEAD OF PASSES. (STA. 0167004 INSET.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. BANKFULL STAGE, 1.0 FOOT. PRIOR TO MAY 24, 1975, GAGE WAS LOCATED ON THE LEFT BANK APPROXIMATELY 1.4 MILES DOWNSTREAM FROM PRESENT LOCATION.

RECORDS AVAILABLE. 1926 TO NOV. 5, 1973, AND MAY 24, 1975 TO DATE.

EXTREMES. HIGHEST, 5.59 FEET (CAUSED BY HURRICANE) ON OCT. 27, 1985. LOWEST, MINUS 1.60 FEET ON JAN. 25, 1940.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.77	1.84	1.69	2.16	2.83	2.95					1.04	1.42
2	1.95	1.89	2.13	1.83	3.12	3.29					0.78	1.80
3	1.72	2.08	2.27	1.99	3.11	3.10					1.12	1.75
4	1.91	1.99	1.78	2.70	3.22	3.20					1.26	2.02
5	1.54	1.64	1.26	2.47	3.34	3.06					1.72	1.71
6	1.33	1.65	1.29	2.57	3.24	2.94					1.68	1.83
7	1.13	1.59	1.50	2.83	3.51	2.88				2.17	1.77	1.94
8	1.04	1.42	1.62	3.35	3.31	2.73	2.01			2.26	1.84	1.77
9	1.25	1.86	1.76	3.39	3.39	2.45	2.10			2.23	1.93	1.93
10	1.27	2.14	2.34	3.13	3.22	2.35	1.95			2.41	2.08	1.91
11	1.48	2.69	2.36	2.74	2.93	2.26	1.85			2.48	1.84	1.36
12	1.98	2.36	2.89	2.65	3.02	2.14	2.10			2.53	1.92	1.37
13	2.06	1.69	2.72	2.61	2.79	2.22	2.32			2.51	1.64	1.58
14	2.24	1.55	1.79	2.65	2.62	2.26				2.41	1.44	1.33
15	2.19	1.66	1.53	2.99	2.70	2.52				2.13	1.02	1.35
16	2.24	1.67	2.40	2.51	2.77	2.73				1.83	1.18	1.27
17	1.92	1.35	2.15	2.38	2.71	3.06				1.81	1.43	1.34
18	1.42	1.30	2.17	2.24	2.92	3.14				1.57	1.54	1.60
19	1.33	1.30	1.93	2.70	3.05	3.64				1.38	1.69	1.83
20	1.50	1.19	2.06	2.84	3.37	3.60				1.83	1.72	2.39
21	1.56	1.68	2.08	2.84	3.38					1.84	2.04	1.88
22	1.65	1.74	2.16	2.83	3.56					2.06	1.87	2.10
23	1.72	1.70	2.42	2.97	3.58					2.30	1.87	1.81
24	2.07	1.77	2.35	3.06	3.58					2.69	1.61	1.85
25	2.31	2.23	2.74	3.33	3.46					2.54	1.72	1.25
26	2.30	2.43	2.82	2.93	3.03					2.46	1.69	1.02
27	2.28	2.27	2.74	3.10	3.09					2.21	1.88	0.80
28	1.99	1.83	2.54	3.00	2.99					1.95	1.59	0.89
29	1.93	-----	2.55	3.02	2.87					2.00	1.25	0.98
30	2.30	-----	2.52	2.82	2.80					1.96	1.19	0.97
31	2.12	-----	2.57	-----	2.84	-----			-----	1.07	-----	1.00

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.79	1.80	2.17	2.75	3.11	2.83	2.06			2.11	1.58	1.55
MAX	2.31	2.69	2.89	3.39	3.58	3.64	2.32			2.69	2.08	2.39
MIN	1.04	1.19	1.26	1.83	2.62	2.14	1.85			1.07	0.78	0.80
DAYS	31	28	31	30	31	20	6	0	0	25	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 263

THE MEAN STAGE FOR THE YEAR WAS 2.16.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 3.72 AT 6:00 A.M. ON JUN 19.

LOWEST STAGE WAS 0.43 ON DEC 27.

## DAILY STAGE FOR 1993

SOUTH PASS AT PORT EADS, LA.

LOCATION. LAT. 29-00-53, LONG. 89-09-57. U. S. COAST GUARD WHARF, 10.8 MILES DOWNSTREAM FROM HEAD OF PASSES. (STA. 0185002.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. BANKFULL STAGE, 1.0 FOOT. PRIOR TO APR. 24, 1967, GAGE WAS LOCATED 2.2 MILES DOWNSTREAM AT MOUTH OF SOUTH PASS.

RECORDS AVAILABLE. STAGE, FEB. 15, 1939, TO DATE.

EXTREMES. HIGHEST, 5.50 FEET (CAUSED BY HURRICANE) ON SEP. 9, 1965. LOWEST, MINUS 1.87 FEET ON JULY 16, 1939.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.49	1.46	1.47	1.70	2.38	2.80	2.21	2.51	2.50	2.10	0.97	1.32
2	1.54	1.57	1.85	1.51	2.72	2.80	2.35	2.61	2.48	1.73	0.77	1.63
3	1.75	1.75	1.95	1.68	2.68	2.69	2.50	2.36	2.21	1.75	1.00	1.62
4	1.90	1.55	1.48	2.10	2.69	2.70	2.56	2.08	1.81	1.66	1.26	1.87
5	1.49	1.50	1.02	2.15	2.83	2.58	2.14	1.93	1.88	1.65	1.61	1.47
6	1.28	1.59	1.05	2.20	2.77	2.40	2.08	1.86	1.90	1.80	1.65	1.57
7	1.10	1.55	1.27	2.45	2.91	2.35	1.88	1.76	1.88	2.27	1.70	1.78
8	1.06	1.42	1.30	2.94	2.85	2.20	1.70	1.58	1.93	2.32	1.75	1.61
9	1.23	1.66	1.46	2.90	2.89	1.91	1.82	1.61	2.17	2.31	1.83	1.80
10	1.41	1.94	1.68	2.71	2.81	1.85	1.65	1.74	2.00	2.55	1.93	1.77
11	1.68	2.40	1.75	2.24	2.50	1.70	1.60	1.94	2.18	2.50	1.67	1.51
12	1.88	2.03	2.48	2.23	2.65	1.65	1.81	2.27	2.55	2.45	1.62	1.37
13	1.70	1.52	2.03	2.20	2.34	1.70	1.98	2.24	2.60	2.46	1.51	1.49
14	1.80	1.38	1.07	2.33	2.24	1.82	1.88	2.38	2.85	2.30	1.27	1.32
15	1.85	1.52	0.80	2.54	2.21	2.10	2.15	2.39	2.51	2.10	1.07	1.17
16	1.73	1.46	2.00	2.14	2.24	2.32	2.39	2.42	2.33	1.82	1.12	1.30
17	1.40	1.43	1.60	2.01	2.24	2.69	2.57	2.51	2.12	1.82	1.17	1.31
18	1.30	1.23	1.58	1.85	2.46	2.96	2.75	2.35	1.88	1.65	1.41	1.50
19	1.30	1.25	1.42	2.23	2.54	3.27	2.56	2.15	1.78	1.57	1.45	1.65
20	1.59	1.06	1.62	2.33	3.03	3.22	2.30	1.77	1.76	1.95	1.55	2.15
21	1.52	1.60	1.66	2.49	3.05	2.92	2.29	1.68	1.87	2.00	1.68	1.85
22	1.45	1.55	1.80	2.52	3.15	2.91	2.07	1.49	1.98	2.28	1.48	1.87
23	1.50	1.77	1.93	2.48	3.08	2.73	1.72	1.42	2.15	2.31	1.50	1.75
24	1.88	1.58	1.90	2.59	3.15	2.38	1.60	1.67	2.30	2.75	1.28	1.80
25	2.07	2.13	2.27	2.82	3.04	2.03	1.58	1.92	2.43	2.43	1.36	1.07
26	1.96	2.36	2.25	2.54	2.76	1.88	1.60	2.45	2.50	2.40	1.44	0.93
27	1.84	1.93	2.27	2.86	2.81	1.93	1.90	2.48	2.16	2.00	1.61	0.50
28	1.49	1.60	2.05	2.73	2.67	2.12	2.13	2.53	2.44	1.80	1.25	0.79
29	1.62	-----	2.06	2.56	2.50	2.12	2.35	2.55	2.43	1.75	1.04	0.89
30	1.85	-----	1.99	2.52	2.39	2.19	2.50	2.46	2.24	1.68	0.93	1.01
31	1.64	-----	2.09	-----	2.51	-----	2.50	2.58	-----	1.01	-----	0.99

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.59	1.64	1.71	2.35	2.68	2.36	2.10	2.12	2.19	2.04	1.40	1.44
MAX	2.07	2.40	2.48	2.94	3.15	3.27	2.75	2.61	2.85	2.75	1.93	2.15
MIN	1.06	1.06	0.80	1.51	2.21	1.65	1.58	1.42	1.76	1.01	0.77	0.50
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 1.97.  
 HIGHEST STAGE WAS 3.37 AT 9:30 P.M. ON OCT 16.  
 LOWEST STAGE WAS 0.34 ON DEC 27.



## DAILY STAGE FOR 1993

## OLD RIVER INFLOW CHANNEL NEAR KNOX LANDING, LA.

LOCATION. LAT. 31-04-40, LONG. 91-35-49. UPSTREAM OF STATE HIGHWAY 15 BRIDGE AT OLD RIVER CONTROL STRUCTURE, ABOUT A QUARTER MILE FROM HEAD OF CHANNEL. THE HEAD OF CHANNEL IS AT RIVER MILE 314.6 (1962 SURVEY) ON THE MISSISSIPPI RIVER. THE CHANNEL IS 7.7 MILES IN LENGTH AND JOINS WITH RED RIVER AT MILE 3.6. (STA. 0205011.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. DRAINAGE AREA, ABOUT 1,124,700 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 51 FEET. THE MAIN CHANNEL STRUCTURE CONSISTS OF ELEVEN GATE BAYS, EACH WITH 44-FOOT CLEAR WIDTH BETWEEN PIERS. THE WEIR CREST ELEVATION IS TEN FEET ABOVE NGVD EXCEPT FOR THREE CENTER BAYS WHICH HAVE CREST ELEVATION OF FIVE FEET BELOW NGVD. THE OVBANK STRUCTURE CONSISTS OF 73 GATE BAYS, EACH WITH 44-FOOT CLEAR WIDTH BETWEEN PIERS. THE WEIR CREST ELEVATION IS 52.0 FEET, NGVD. THE TOP ELEVATION OF ALL GATE BAYS IS 67.0 FEET, NGVD. THE MAXIMUM DISCHARGE CAPACITY FOR BOTH STRUCTURES IS ABOUT 700,000 CFS.

RECORDS AVAILABLE. STAGE, APR. 3, 1961, TO DATE.

EXTREMES. HIGHEST, 63.40 FEET ON MAY 31, 1983. LOWEST, 9.10 FEET ON JAN. 8, 1964.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	47.70	48.80	41.97	49.30	54.88	52.70	43.40	47.61	46.50	40.30	35.15	45.99
2	47.50	48.61	42.90	49.28	54.95	52.10	43.00	47.80	45.85	40.91	34.80	45.65
3	47.30	48.37	44.00	49.41	55.00	51.40	42.75	47.96	45.20	41.70	34.07	45.35
4	47.00	48.05	44.49	49.69	55.10	50.73	42.40	48.19	44.50	42.48	33.53	44.98
5	46.75	47.84	44.87	50.01	55.00	49.96	42.35	48.45	43.50	43.05	32.80	44.38
6	46.45	47.56	45.34	50.20	54.65	49.03	42.35	48.47	42.40	43.58	31.90	44.11
7	46.30	47.20	45.66	50.33	54.60	47.83	41.91	48.58	41.40	44.22	31.06	44.58
8	46.30	46.60	45.65	50.88	54.50	46.85	41.30	48.80	40.72	44.90	30.50	45.30
9	46.50	45.82	45.48	51.85	54.45	46.02	41.21	49.05	40.00	45.39	29.88	45.87
10	46.70	45.05	45.25	52.34	54.42	45.10	41.15	49.24	39.20	45.68	29.70	46.20
11	47.10	44.17	45.33	52.65	54.52	44.27	41.21	49.40	38.35	45.77	29.40	46.40
12	47.60	43.14	45.64	53.05	54.55	43.64	41.70	49.55	37.80	45.77	28.91	46.61
13	48.25	42.15	45.86	53.15	54.55	43.30	42.25	49.53	37.66	45.54	28.46	46.78
14	48.40	40.90	46.48	53.66	54.80	43.18	42.75	49.50	37.60	45.34	28.32	47.31
15	48.60	39.70	46.99	53.60	54.98	43.15	43.25	49.50	37.65	44.90	29.07	47.42
16	48.90	38.82	47.46	53.90	55.10	43.35	43.77	49.40	37.80	44.23	31.55	47.61
17	49.00	38.52	47.72	54.10	55.30	43.72	44.20	49.40	37.70	43.16	32.25	47.70
18	49.20	38.43	48.15 F	54.25	55.10	44.01	44.50	49.40	37.40	41.85	33.40	47.73
19	49.15	38.50	48.50	54.40	55.25	44.25	44.85	49.11	37.40	40.56	33.05	47.83
20	49.25	38.95	48.88	54.45	55.50	44.43	45.15	49.20	37.30	39.33	34.34	47.80
21	49.95	39.50	49.13	54.65	55.70	44.70	45.30	49.05	37.45	37.90	37.08	47.76
22	49.95	39.95	49.48	55.05	55.55	45.02	45.40	48.94	37.50	36.75	39.41	47.30
23	49.80	40.40	49.87	55.05	55.41	45.50	45.73	48.80	37.52	36.00	41.40	46.85
24	49.60	40.45	50.16	55.10	55.20	46.00	45.94	48.75	37.70	35.43	42.58	46.29
25	49.50	40.38	50.22	55.15	54.92	46.30	46.20	48.60	37.95	35.30	43.65	45.43
26	49.50	40.57	50.22	55.20	54.64	46.05	46.42	48.30	38.29	35.73	44.57	44.43
27	49.37	40.81	50.21	55.18	54.43	45.72	46.61	48.20	38.70	36.20	45.00	43.30
28	49.38	41.28	49.86	55.15	54.25	45.20	46.83	48.02	39.17	36.00	45.68	42.35
29	49.23	-----	49.60	55.22	53.99	44.46	47.13	47.70	39.50	36.10	46.00	41.50
30	49.10	-----	49.40	55.10	53.52	43.95	47.30	47.30	40.00	35.90	46.10	40.43
31	48.99	-----	49.33	-----	53.10	-----	47.56	46.85	-----	35.54	-----	39.24

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	48.33	42.88	47.23	53.04	54.77	46.06	44.06	48.67	39.66	40.82	35.45	45.50
MAX	49.95	48.80	50.22	55.22	55.70	52.70	47.56	49.55	46.50	45.77	46.10	47.83
MIN	46.30	38.43	41.97	49.28	53.10	43.15	41.15	46.85	37.30	35.30	28.32	39.24
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 45.58.

HIGHEST STAGE WAS 55.93 AT 10:00 A.M. ON MAY 20.

LOWEST STAGE WAS 28.26 ON NOV 14.



## DAILY STAGE FOR 1993

## OLD RIVER OUTFLOW CHANNEL NEAR KNOX LANDING, LA.

LOCATION. LAT. 31-04-40, LONG. 91-35-50. DOWNSTREAM OF STATE HIGHWAY 15 BRIDGE AT OLD RIVER CONTROL STRUCTURE, ABOUT ONE MILE FROM HEAD OF CHANNEL. THE HEAD OF CHANNEL IS AT RIVER MILE 314.6 (1962 SURVEY) ON THE MISSISSIPPI RIVER. THE CHANNEL IS 7.7 MILES IN LENGTH AND JOINS WITH RED RIVER AT MILE 3.6. (STA. 0210011.)

GAGE. AUTOMATIC RECORDER AND STAFF.

DISCHARGE RANGE. FIVE AND A HALF MILES DOWNSTREAM FROM OLD RIVER CONTROL STRUCTURE.

GENERAL INFORMATION. DRAINAGE AREA, ABOUT 1,124,700 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 49 FEET. THE MAIN CHANNEL STRUCTURE CONSISTS OF ELEVEN GATE BAYS, EACH WITH 44-FOOT CLEAR WIDTH BETWEEN PIERS. THE WEIR CREST ELEVATION IS TEN FEET ABOVE NGVD EXCEPT FOR THREE CENTER BAYS WHICH HAVE CREST ELEVATION OF FIVE FEET BELOW NGVD. THE OVERBANK STRUCTURE CONSISTS OF 73 GATE BAYS, EACH WITH 44-FOOT CLEAR WIDTH BETWEEN PIERS. THE WEIR CREST ELEVATION IS 52.0 FEET, NGVD. THE TOP ELEVATION OF ALL GATE BAYS IS 67.0 FEET, NGVD. THE MAXIMUM DISCHARGE CAPACITY FOR BOTH STRUCTURES IS ABOUT 700,000 CFS.

RECORDS AVAILABLE. STAGE, MAR. 31, 1961, TO DATE. DISCHARGE, 1961 TO DATE. COMPUTED DAILY, SINCE 1962.

EXTREMES. HIGHEST, 59.30 FEET ON MAY 15, 1973. LOWEST, 1.32 FEET ON JULY 16, 1964 (GATES CLOSED). MAXIMUM, 610,000 CFS COMPUTED FOR MAY 19, 1973 (LOW SILL AND OVERBANK STRUCTURES IN OPERATION). MINIMUM, NO FLOW (GATES CLOSED) ON VARIOUS OCCASIONS.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	32.85	32.76	25.53	35.20	41.11	38.20	26.60	32.55	30.70	24.57	18.88	33.38
2	32.85	32.64	27.00	35.05	41.30	37.30	26.40	32.61	30.20	25.29	18.80	32.72
3	32.55	32.72	28.85	35.70	41.04	36.70	25.78	32.50	29.35	25.74	18.69	32.15
4	32.60	32.71	29.80	35.75	39.90	35.40	26.22	33.27	27.90	25.81	17.82	30.85
5	31.83	32.27	30.56	35.60	40.20	34.10	25.50	33.05	27.22	27.00	17.09	30.75
6	31.02	31.90	30.73	35.80	40.15	33.10	24.95	33.29	26.23	28.60	16.90	30.93
7	30.20	31.63	30.99	36.40	40.40	32.30	25.65	33.55	25.20	29.29	16.29	30.20
8	30.62	31.30	30.90	36.92	40.50	30.80	26.80	34.08	23.70	29.00	15.38	29.46
9	30.70	30.93	31.35	37.30	40.35	29.60	25.85	34.45	22.05	29.90	15.74	29.85
10	30.68	29.72	30.90	37.91	40.20	28.40	26.10	34.41	23.00	30.30	15.00	30.80
11	30.46	28.90	30.83	37.70	39.80	28.13	26.25	34.70	23.40	30.28	15.00	31.00
12	31.25	28.20	30.88	38.00	40.19	27.76	26.25	34.60	23.65	30.29	15.40	31.10
13	32.35	26.23	31.86	38.49	40.28	27.08	26.50	34.90	23.24	30.25	16.00	31.20
14	33.20	25.13	32.00	39.30	39.88	26.53	27.16	34.88	23.19	30.16	15.60	32.00
15	33.23	24.05	32.10	40.00	40.35	26.60	28.05	35.00	22.85	29.25	16.85	32.25
16	33.46	23.29	32.60	39.94	40.20	26.55	28.00	35.10	22.35	28.42	16.20	32.60
17	33.45	23.55	33.70	39.80	40.33	27.00	28.25	35.10	21.90	27.86	17.10	32.70
18	33.20	23.30	34.39	40.00	41.15	27.45	28.68	34.40	22.42	27.19	17.65	32.80
19	33.50	22.80	34.80	40.19	41.33	27.80	28.90	34.69	22.40	25.10	19.10	32.89
20	34.10	22.70	35.10	40.70	41.30	27.79	29.20	34.15	22.28	22.80	19.80	32.43
21	34.54	23.50	35.44	40.75	40.83	28.25	29.72	34.22	21.90	21.60	19.50	33.00
22	34.20	24.08	35.65	40.75	41.15	28.40	30.26	34.01	21.90	21.11	22.75	32.72
23	34.00	23.81	36.22	40.90	41.11	29.12	30.50	33.62	22.30	20.53	25.85	32.80
24	33.75	24.00	36.50	40.72	40.90	29.00	30.70	33.30	22.20	21.17	27.85	31.95
25	33.64	24.37	36.49	40.90	40.47	27.90	30.80	33.35	22.43	21.30	28.91	31.10
26	33.58	24.90	36.27	40.90	40.15	27.90	30.80	33.28	22.70	20.12	29.42	29.90
27	33.30	25.03	35.95	41.33	39.85	27.80	31.55	33.20	22.98	18.75	31.41	28.50
28	33.51	25.15	36.18	41.05	39.59	27.70	31.40	32.90	22.50	19.00	31.70	26.00
29	33.40	-----	36.00	40.65	38.95	27.80	31.85	32.55	22.95	19.11	31.90	23.75
30	33.34	-----	35.70	40.82	38.91	26.85	31.95	32.40	23.10	20.05	32.92	22.94
31	33.20	-----	35.59	-----	38.66	-----	32.27	31.70	-----	19.64	-----	22.84

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	32.73	27.20	32.93	38.82	40.34	29.64	28.35	33.74	23.94	25.14	20.72	30.57
MAX	34.54	32.76	36.50	41.33	41.33	38.20	32.27	35.10	30.70	30.30	32.92	33.38
MIN	30.20	22.70	25.53	35.05	38.66	26.53	24.95	31.70	21.90	18.75	15.00	22.84
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

E=ESTIMATED

THE MEAN STAGE FOR THE YEAR WAS 30.39.

HIGHEST STAGE WAS 41.60 AT 5:30 A.M. ON MAY 18.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 15.00 ON NOV 10 AND LATER DATE(S).

DAILY FLOW FOR 1993  
 OLD RIVER OUTFLOW CHANNEL NEAR KNOX LANDING, LA.--CONTINUED  
 COMPUTED DAILY DISCHARGE IN THOUSAND DAY SECOND FEET

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	227	217	138	246	355	301	160	314	291	219	126	300
2	226	217	153	244	353	290	166	316	283	228	131	288
3	226	230	164	255	346	276	166	313	270	231	129	277
4	225	231	178	257	313	262	180	317	252	234	121	259
5	210	231	183	259	326	238	180	319	244	249	118	255
6	201	229	181	270	324	235	183	324	233	267	121	251
7	190	229	183	288	332	231	204	328	225	267	120	223
8	190	227	183	288	331	217	218	326	204	272	112	189
9	190	221	190	281	335	205	213	327	198	279	116	191
10	190	212	190	280	334	201	214	321	203	282	114	198
11	191	201	184	281	327	200	218	325	200	284	115	201
12	202	191	186	281	332	196	219	329	199	283	116	203
13	219	171	200	291	333	193	224	335	198	282	120	203
14	236	166	201	310	324	192	237	342	194	279	121	211
15	240	162	206	315	323	194	246	345	191	269	119	215
16	244	159	223	317	325	199	247	343	194	255	111	220
17	245	159	243	317	328	206	253	341	195	248	111	227
18	245	149	252	323	356	213	260	341	196	239	104	234
19	245	129	258	328	356	219	262	339	197	213	118	234
20	250	115	270	331	350	220	268	337	196	188	125	235
21	244	115	271	326	341	219	278	332	191	177	119	242
22	234	115	274	323	347	217	284	333	193	169	154	243
23	222	113	281	324	347	210	287	332	192	153	197	240
24	222	120	280	321	345	190	290	329	193	148	220	228
25	222	129	272	322	331	170	294	325	194	138	232	218
26	215	133	266	325	335	170	298	321	196	102	240	207
27	215	133	260	334	318	170	305	319	200	92	271	190
28	215	133	259	335	314	170	304	311	197	106	274	156
29	215	-----	258	332	306	166	305	310	200	116	275	132
30	216	-----	253	348	306	158	308	310	203	129	291	137
31	216	-----	248	-----	305	-----	317	302	-----	128	-----	145

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	220	173	222	302	332	211	245	326	211	211	155	218
MAX	250	231	281	348	356	301	317	345	291	284	291	300
MIN	190	113	138	244	305	158	160	302	191	92	104	132
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 TOTAL FOR YEAR WAS 86,140,000 DSF.  
 THE MEAN FLOW FOR THE YEAR WAS 236,000 DSF.  
 MAXIMUM DAILY DISCHARGE WAS 356,000 DSF ON MAY 18 AND LATER DATE(S).  
 MINIMUM DAILY DISCHARGE WAS 92,000 DSF ON OCT 27.

## DAILY STAGE FOR 1993

## OLD RIVER AUXILIARY INFLOW CHANNEL NEAR KNOX LANDING, LA.

LOCATION. LAT. 31-03-54, LONG. 91-35-18. STATE HIGHWAY 15 BRIDGE AT OLD RIVER AUXILIARY CONTROL STRUCTURE, ABOUT 1-1/2 MILES FROM HEAD OF CHANNEL. THE HEAD OF CHANNEL IS AT RIVER MILE 312.0 (1962 SURVEY) ON THE MISSISSIPPI RIVER. THE CHANNEL IS 2.2 MILES IN LENGTH AND JOINS WITH OLD RIVER OUTFLOW CHANNEL ABOUT ONE MILE BELOW HEAD. (STA. 0220011.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. DRAINAGE AREA, ABOUT 1,124,700 SQUARE MILES (CONTRIBUTING). THE AUXILIARY STRUCTURE CONSISTS OF SIX GATE BAYS, EACH WITH 62-FOOT CLEAR WIDTH BETWEEN PIERS. THE WEIR CREST ELEVATION IS FIVE FEET BELOW NGVD. THE TOP ELEVATION OF ALL GATES IS 70.0 FEET, NGVD. THE MAXIMUM DISCHARGE CAPACITY IS ABOUT 374,000 CFS.

RECORDS AVAILABLE. STAGE, DEC. 14, 1986, TO DATE.

EXTREMES. HIGHEST, 56.35 FEET ON JUN. 6, 1990. LOWEST, 9.30 FEET ON JUL. 5, 1988.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	47.20	48.15	41.62	48.69	54.14	51.40	43.00	45.80	44.87	39.20	34.80	44.12
2	47.03	48.00	42.55	48.78	54.18	50.95	42.40	46.10	44.42	39.80	34.20	44.20
3	46.90	47.71	43.70	48.50	54.25	50.43	42.20	46.40	43.94	40.65	33.65	43.96
4	46.61	47.49	44.00	48.90	54.52	49.81	41.89	46.50	43.43	41.45	33.18	43.84
5	46.38	47.10	44.54	49.10	53.72	49.29	41.76	46.70	42.47	41.95	32.40	43.37
6	46.10	46.80	44.95	49.30	53.85	48.42	41.80	46.68	41.56	42.22	31.60	43.08
7	45.92	46.50	45.19	49.37	54.30	47.34	41.55	46.75	40.55	42.93	30.79	43.90
8	45.70	45.90	45.29	49.75	54.22	46.50	41.05	47.00	40.00	43.60	30.20	44.83
9	45.90	45.20	45.10	50.80	54.16	45.50	40.90	47.28	39.21	43.95	29.52	45.36
10	46.20	44.40	44.70	51.30	54.10	44.52	40.55	47.63	38.40	44.35	29.35	45.68
11	46.50	43.60	44.80	51.80	54.20	43.71	40.64	47.75	35.80	44.53	28.90	45.85
12	47.10	42.65	45.10	52.00	54.24	43.30	41.05	47.75	35.60	44.60	28.54	46.08
13	47.80	41.88	45.00	52.30	54.25	42.81	41.70	47.75	35.25	44.40	27.79	46.25
14	47.92	40.65	45.90	52.87	54.54	42.67	42.02	47.53	35.45	44.23	27.61	46.70
15	47.98	39.50	46.35	53.25	54.67	42.65	42.40	47.50	35.50	43.92	28.40	46.95
16	48.20	38.60	46.70	53.40	54.86	42.85	43.00	47.50	36.90	43.35	31.25	47.04
17	48.30	38.20	46.90	53.64	55.00	43.14	43.50	47.40	36.60	42.28	31.78	47.04
18	48.40	38.12	47.20	53.73	54.98	43.44	43.90	47.40	36.40	40.81	33.00	47.05
19	48.45	38.30	47.78	53.83	55.04	43.50	44.15	47.18	36.25	39.90	33.15	47.10
20	48.80	38.70	47.90	53.96	54.80	43.70	44.40	47.05	36.30	39.00	34.03	47.15
21	49.35	39.15	48.10	54.18	54.20	44.00	44.30	47.10	36.50	37.60 E	36.65	46.85
22	49.50	39.73	48.60	54.35	54.02	44.52	44.85	46.90	36.50	36.38	38.81	46.55
23	49.40	40.11	48.80	54.15	53.89	44.98	45.00	46.75	36.40	35.75	40.53	46.17
24	49.17	40.25	49.10	54.85	53.60	45.54	45.30	46.68	36.60	35.15	41.72	45.65
25	49.00	40.10	49.20	54.92	53.57	45.85	45.40	46.47	36.80	35.05	42.72	44.89
26	48.95	40.25	49.30	54.90	53.25	45.55	45.65	46.45	37.20	35.45	43.62	43.90
27	48.90	40.57	49.40	54.86	53.26	45.15	45.50	46.32	37.65	35.98	43.65	42.83
28	48.87	41.02	49.10	54.76	53.15	44.75	44.90	46.33	38.30	35.75	44.25	42.00
29	48.70	-----	48.85	54.69	52.87	44.10	45.20	45.94	38.55	35.78	44.72	41.16
30	48.56	-----	48.76	54.37	52.45	43.50	45.45	45.53	39.10	35.55	44.45	40.08
31	48.42	-----	48.65	-----	52.00	-----	45.70	45.22	-----	35.23	-----	38.90

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	47.81	42.45	46.55	52.38	54.01	45.46	43.26	46.82	38.42	40.03	34.84	44.79
MAX	49.50	48.15	49.40	54.92	55.04	51.40	45.70	47.75	44.87	44.60	44.72	47.15
MIN	45.70	38.12	41.62	48.50	52.00	42.65	40.55	45.22	35.25	35.05	27.61	38.90
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

E=ESTIMATED

THE MEAN STAGE FOR THE YEAR WAS 44.78.

HIGHEST STAGE WAS 55.65 AT 10:00 A.M. ON APR 23.

LOWEST STAGE WAS 27.50 ON NOV 14.

DAILY FLOW FOR 1993  
OLD RIVER AUXILIARY INFLOW CHANNEL NEAR KNOX LANDING, LA.--CONTINUED

COMPUTED DAILY DISCHARGE IN THOUSAND DAY SECOND FEET

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	71	57	0	90	102	135	12	150	123	71	0	158
2	70	57	0	84	101	123	18	152	115	75	7	144
3	70	70	11	101	94	108	18	149	102	76	5	128
4	69	71	34	102	50	94	34	153	83	77	0	107
5	54	71	39	103	162	70	34	154	76	94	0	105
6	45	71	32	114	156	67	35	160	67	111	6	102
7	34	71	32	132	0	63	0	164	61	110	6	71
8	34	70	32	132	0	49	0	164	37	113	6	28
9	34	65	40	119	0	37	0	163	30	119	12	33
10	34	56	40	118	0	33	40	157	39	120	10	42
11	35	45	33	119	0	33	35	161	79	120	20	45
12	42	39	34	119	0	32	35	165	68	119	20	45
13	63	11	53	134	0	33	34	171	72	122	29	45
14	80	11	54	75	0	33	48	180	62	119	30	53
15	84	11	55	64	0	31	57	183	59	105	29	57
16	88	11	75	65	0	35	56	179	49	93	0	64
17	89	14	97	60	4	40	57	177	57	90	0	75
18	89	3	108	65	0	45	62	177	61	87	12	80
19	89	0	114	70	0	51	62	175	61	60	19	80
20	0	0	126	53	0	52	67	173	61	37	19	80
21	88	0	127	46	171	51	80	167	56	0	0	90
22	74	0	128	37	179	48	64	167	58	29	27	89
23	62	0	137	160	179	41	65	166	62	15	49	88
24	62	0	138	0	177	20	73	163	59	14	74	74
25	62	0	125	0	162	0	73	159	61	6	90	64
26	55	0	117	4	167	0	74	154	61	0	91	53
27	55	0	106	14	148	0	84	152	61	0	123	35
28	55	0	105	14	144	0	142	145	53	0	125	0
29	55	-----	105	61	138	0	141	144	54	0	126	0
30	56	-----	101	90	138	10	144	144	53	0	146	0
31	56	-----	96	-----	138	-----	153	135	-----	0	-----	0

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	60	29	74	78	78	44	58	161	65	64	36	66
MAX	89	71	138	160	179	135	153	183	123	122	146	158
MIN	0	0	0	0	0	0	0	135	30	0	0	0
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
TOTAL FOR YEAR WAS 24,820,000 DSF.  
THE MEAN FLOW FOR THE YEAR WAS 68,000 DSF.  
MAXIMUM DAILY DISCHARGE WAS 183,000 DSF ON AUG 15.  
MINIMUM DAILY DISCHARGE WAS 0 DSF ON JAN 20 AND LATER DATE(S).

## DAILY STAGE FOR 1993

## OLD RIVER AUXILIARY OUTFLOW CHANNEL NEAR KNOX LANDING, LA.

LOCATION. LAT. 31-03-57, LONG. 91-35-26. STATE HIGHWAY 15 BRIDGE AT OLD RIVER AUXILIARY CONTROL STRUCTURE, ABOUT 1-1/2 MILES FROM HEAD OF CHANNEL. THE HEAD OF CHANNEL IS AT RIVER MILE 312.0 (1962 SURVEY) ON THE MISSISSIPPI RIVER. THE CHANNEL IS 2.2 MILES IN LENGTH AND JOINS WITH OLD RIVER OUTFLOW CHANNEL ABOUT ONE MILE BELOW HEAD. (STA. 0221011.)

GAGE. STAFF TYPE IN SEVERAL SECTIONS.

GENERAL INFORMATION. DRAINAGE AREA, ABOUT 1,124,700 SQUARE MILES (CONTRIBUTING). THE AUXILIARY STRUCTURE CONSISTS OF SIX GATE BAYS, EACH WITH 62-FOOT CLEAR WIDTH BETWEEN PIERS. THE WEIR CREST ELEVATION IS FIVE FEET BELOW NGVD. THE TOP ELEVATION OF ALL GATES IS 70.0 FEET, NGVD. THE MAXIMUM DISCHARGE CAPACITY IS ABOUT 374,000 CFS.

RECORDS AVAILABLE. STAGE, DEC. 14, 1986, TO DATE.

EXTREMES. HIGHEST, 42.10 FEET ON JUN. 11, 1990 AND LATER DATE(S). LOWEST, 4.90 FEET ON JUL. 12, 1988.

## DAILY SEVEN A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ. )

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	32.70	33.00	25.55	35.30	41.00	38.40	26.60	33.10	31.20	24.85	18.90	33.60
2	32.80	32.70	27.15	35.10	41.20	37.65	26.55	33.10	30.40	25.50	18.80	32.90
3	32.60	33.00	28.85	35.80	41.20	36.70	26.10	32.90	29.50	25.90	18.55	32.30
4	32.60	32.70	30.10	35.90	39.95	35.45	26.10	33.60	28.30	26.15	17.70	31.00
5	31.80	32.50	30.60	35.80	40.35	34.20	25.80	33.60	27.30	27.30	17.00	30.80
6	31.30	31.90	30.70	36.00	40.15	33.10	24.90	33.75	26.40	28.80	16.70	31.20
7	30.50	31.60	31.10	36.55	40.30	32.60	25.45	33.90	25.45	29.60	16.20	30.40
8	30.60	31.50	31.00	36.90	40.50	31.15	26.40	34.40	23.90	29.30	15.50	29.50
9	30.60	31.00	31.30	37.20	40.35	29.85	26.00	34.65	22.00	30.20	15.60	30.20
10	30.80	30.00	31.15	37.90	40.25	28.75	26.00	34.65	21.90	30.35	14.90	30.90
11	30.70	29.00	30.85	38.00	39.90	28.05	26.40	34.90	24.40	30.50	15.10	31.10
12	31.50	28.15	30.85	38.30	40.10	27.50	26.50	35.00	23.75	30.70	15.45	31.20
13	32.40	26.20	32.00	38.80	40.15	27.00	26.50	35.00	23.75	30.70	16.20	31.20
14	33.30	25.10	32.10	39.45	40.10	26.85	27.40	35.20	23.60	30.60	15.60	32.00
15	33.50	24.00	32.15	40.00	40.35	26.80	28.00	34.70	23.30	29.50	16.80	32.25
16	33.50	23.20	32.80	39.90	40.50	26.90	28.25	35.20	20.70	28.40	16.15	32.60
17	33.40	23.50	33.75	39.70	40.50	27.30	28.50	35.25	22.20	28.10	17.20	33.00
18	33.50	23.50	34.40	40.10	41.55	27.30	28.60	34.60	22.75	27.50	17.95	32.90
19	33.50	23.00	34.85	40.35	41.40	27.85	29.00	34.70	22.50	25.50	19.10	33.00
20	34.10	22.65	35.40	40.70	41.35	27.90	29.30	34.40	22.50	23.25	19.80	32.80
21	34.70	23.35	35.50	40.75	40.80	28.40	30.00	34.10	22.00	21.80	19.45	33.05
22	34.15	24.00	35.70	40.70	41.20	28.70	30.30	34.10	22.20	21.05	22.85	33.00
23	34.10	23.80	36.40	40.55	41.10	29.30	30.55	34.00	22.50	20.50	25.90	32.80
24	34.10	23.95	36.60	40.90	41.05	29.00	30.70	33.50	22.40	21.10	28.00	31.90
25	33.90	24.40	36.50	40.90	40.40	28.10	30.90	33.90	22.60	21.30	29.20	31.10
26	33.60	24.85	36.40	41.05	40.30	27.90	30.80	33.25	22.90	20.00	29.75	30.30
27	33.55	24.90	36.10	41.35	39.90	27.60	31.75	33.40	23.40	18.70	31.80	28.35
28	33.50	25.10	36.00	41.10	39.50	27.90	32.00	33.00	22.60	19.00	31.90	26.10
29	33.50	-----	35.90	40.60	39.30	27.90	32.00	32.90	23.25	19.00	32.20	23.75
30	33.50	-----	35.70	40.95	38.90	27.10	32.30	32.50	23.25	20.00	33.20	22.90
31	33.50	-----	35.40	-----	38.60	-----	32.55	32.00	-----	19.60	-----	22.70

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	32.83	27.23	33.00	38.89	40.39	29.77	28.46	33.98	24.10	25.31	20.78	30.67
MAX	34.70	33.00	36.60	41.35	41.55	38.40	32.55	35.25	31.20	30.70	33.20	33.60
MIN	30.50	22.65	25.55	35.10	38.60	26.80	24.90	32.00	20.70	18.70	14.90	22.70
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 30.50.  
 HIGHEST STAGE WAS 41.55 ON MAY 18.  
 LOWEST STAGE WAS 14.90 ON NOV 10.





## DAILY STAGE FOR 1993

## OLD RIVER AT TORRAS, LA. (LOCK FOREBAY)

LOCATION. LAT. 31-00-03, LONG. 91-40-12. IN NAVIGATION CHANNEL, ON SIDE OF LOCK WALL AT ENTRANCE TO LOCK CHAMBER. THE HEAD OF NAVIGATION CHANNEL IS AT RIVER MILE 304.0 (1962 SURVEY) ON THE MISSISSIPPI RIVER. (STA. 0272511.)

GAGE. WIRE WEIGHT.

GENERAL INFORMATION. PRIOR TO MAR. 18, 1963, GAGE WAS IN NATURAL CHANNEL OF LOWER OLD RIVER AND ZERO OF GAGE WAS 1.11 FEET HIGHER THAN PRESENT DATUM.

RECORDS AVAILABLE. STAGE, JAN. 1, 1903, TO DATE.

EXTREMES. HIGHEST, 61.6 FEET ON MAY 15, 1927. LOWEST, 3.3 FEET ON NOV. 4, 1939. EXTREMES HAVE BEEN ADJUSTED TO PRESENT DATUM.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	45.85	47.05	39.95	47.50	53.00	50.75	41.50	45.70	44.30	38.05	33.05 E	44.30
2	45.80	46.85	40.60	47.40	53.20	50.25	40.95	45.90	43.85	38.70	32.55	43.90
3	45.60	46.50	41.95	47.45	53.10	49.60	40.65	46.10	43.20	39.30	31.80	43.55
4	45.40	46.40	42.40	47.95	53.20	48.70	40.35	46.25	42.45	40.20	31.35	43.00
5	45.20	46.20	42.90	48.05	53.05	48.10	40.25	46.45	41.45	40.80	30.65	42.50
6	44.70	45.85	43.40	48.40	53.00	47.10	40.25	46.45	40.55	41.45	29.90	42.20
7	44.50	45.50	43.70	48.65	52.85	46.10	39.90	46.55	39.40	42.05	29.00	42.25
8	44.55	45.20	43.85	49.45	52.50	45.00	39.35	46.80	38.70	42.65	28.30	43.10
9	44.65	44.60	43.70	50.00	52.60	44.10	39.30	47.00	37.95	43.15	27.75	43.55
10	44.90	43.40	43.45	50.60	52.65	43.10	39.10	47.25	37.05	43.60	27.30	44.15
11	45.30	42.55	43.45	50.95	52.40	42.35	39.10	47.45	36.20	43.80	27.00	44.35
12	45.80	41.50	43.85	51.20	52.55	41.65	39.40	47.55	35.70	43.80	26.70	44.60
13	46.40	40.50	44.00	51.50	52.70	41.20	40.10	47.60	35.40	43.60	26.65	44.90
14	46.70	39.35	44.60	51.60	52.90	40.90	40.50	47.60	35.30	43.50	26.70	45.30
15	46.90	38.10	45.10	51.85	53.15	41.00	41.00	47.50	35.35	43.05	26.75	45.50
16	47.00	37.20	45.65	52.05	53.30	41.15	41.60	47.50	35.55	42.35	29.60	45.75
17	47.20	36.65	46.00	52.30	53.45	41.45	41.95	47.35	35.50	41.25	29.85	45.75
18	47.40	36.70	46.35	52.50	53.45	41.90	42.30	47.20	35.10	39.90	31.35	45.75
19	47.50	36.70	46.70	52.75	53.50	42.20	42.75	47.10	35.00	38.65	30.75	45.90
20	47.80	37.10	47.05	52.95	53.60	42.45	43.05	47.10	35.10	37.40	31.55	46.00
21	48.20	37.50	47.45	52.90	53.75	42.70	43.10	46.95	35.20	36.05	34.15	46.10
22	48.25	38.10	47.80	53.10	53.75	43.00	43.45	46.85	35.10	35.40	36.35	45.50
23	48.05	38.60	48.10	53.25	53.45	43.40	43.70	46.65	35.10	33.90	38.60	45.10
24	48.00	38.60	48.30	53.35	53.40	43.90	43.95	46.55	35.25	33.30	40.05	44.45
25	47.55	38.80	48.55	53.40	53.10	44.15	44.10	46.40	35.40	33.10	41.35	43.50
26	47.60	38.75	48.60	53.35	52.80	43.90	44.35	46.25	35.80	33.10	42.20	42.60
27	47.60	38.90	48.50	53.40	52.70	43.60	44.50	46.10	36.15	33.60	42.90	41.45
28	47.50	39.30	48.30	53.40	52.40	43.15	44.70	46.00	36.80	33.90	43.50	40.50
29	47.40	-----	48.10	53.45	52.10	42.55	45.00	45.60	37.10	33.85	44.10	39.60
30	47.30	-----	47.90	53.25	51.70	41.95	45.30	45.20	37.45	33.85 E	44.30	38.60
31	47.20	-----	47.60	-----	51.30	-----	45.70	44.80	-----	33.50	-----	37.50

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	46.57	41.16	45.41	51.26	52.92	44.04	41.97	46.64	37.41	38.74	33.20	43.59
MAX	48.25	47.05	48.60	53.45	53.75	50.75	45.70	47.60	44.30	43.80	44.30	46.10
MIN	44.50	36.65	39.95	47.40	51.30	40.90	39.10	44.80	35.00	33.10	26.65	37.50
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 43.62.

HIGHEST STAGE WAS 53.75 ON MAY 21 AND LATER DATE(S).

LOWEST STAGE WAS 26.65 ON NOV 13.

## DAILY STAGE FOR 1993

## OLD RIVER AT TORRAS, LA. (LOCK TAILBAY)

LOCATION. LAT. 31-00-12, LONG. 91-40-25. IN NAVIGATION CHANNEL LOCK WALL AT ENTRANCE TO LOCK CHAMBER.  
THE HEAD OF NAVIGATION CHANNEL IS AT RIVER MILE 304.0 (1962 SURVEY) ON THE MISSISSIPPI RIVER.  
(STA. 0275011.)

GAGE. WIRE WEIGHT.

DISCHARGE RANGE. 0.8 MILE DOWNSTREAM FROM GAGE.

RECORDS AVAILABLE. STAGE, MAR. 18, 1963, TO DATE. DISCHARGE, 1963 AND 1964.

EXTREMES. HIGHEST, 57.60 FEET ON MAY 14 AND LATER DATES IN 1973. LOWEST, 1.2 FEET ON JULY 16, 1964.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	30.70	31.00	24.15	33.10	37.20	35.80	24.85	29.20	27.60	21.45	17.45	30.10
2	30.85	30.70	25.30	32.85	37.95	35.15	24.55	29.35	27.15	21.85	17.20	29.80
3	30.50	30.50	27.00	33.20	37.95	34.30	24.40	29.15	26.50	22.20 E	17.05	29.25
4	30.30	30.35	28.25	33.35	37.10	33.00	24.40	29.80	25.20	22.60	16.30	27.95
5	29.80	30.25	28.80	33.35	37.40	32.40 E	24.35	29.85	24.20	23.55	15.70	27.85
6	29.20	29.90	29.00	33.50	37.30	31.30	23.70	30.05	23.50	25.05	15.30	27.90
7	28.40	29.60	29.15	33.70	37.40	30.60	23.40	30.35	22.45	25.80	14.70	27.95
8	28.60	29.30	29.40	34.40	37.35	29.40	23.50	30.70	21.35	25.55	13.85	27.35
9	28.80	28.75	29.45	34.85	37.15	28.00 E	23.00	31.05	19.50	26.25	13.65	27.95
10	29.00	27.85	29.30	35.35	37.05	26.70	23.25	31.20	19.45	26.70	13.50	29.15
11	28.85	27.05	29.05	35.65	36.90	26.50	23.30	31.30	19.55	26.70	13.35	29.15
12	29.45	26.15	29.25	35.75	37.05	25.95	23.50	31.35	19.35	26.90	13.35	29.35
13	30.00	24.60	29.85	36.15	36.95	25.20	23.80	31.30	19.35	26.90	13.50	29.65
14	30.90	23.55	30.00	36.55	37.15	25.05	24.20	31.50	19.40	26.80	13.45	30.10
15	30.90	22.30	30.10	36.95	37.35	24.70	24.90	31.50	19.20	26.20	14.50	30.40
16	31.00	21.50	30.60	37.15	37.60	24.65	25.40	31.50	19.00	25.30	14.90	30.50
17	31.00	21.65	31.35	37.00	37.60	24.75	25.30	31.30 E	18.90	24.85	16.00	30.75
18	31.00	21.55	31.90	37.20	38.25	25.15	25.45	31.20	19.20	23.70	16.30	30.80
19	30.90 E	21.10	32.20	37.25	38.20	25.65	25.70	31.10	19.40	22.60	17.60	30.70
20	31.40	21.80	32.65	37.60	38.05	25.70	25.95	30.90	19.50	21.00 E	18.35	30.70
21	32.40	22.00	32.85	37.75	37.85	26.00	26.55	30.60	19.00	19.35	18.35	31.00
22	31.95	23.00	33.05	37.70	38.15	26.25	26.80	30.50	18.70	18.60	20.95	30.70
23	31.90	23.10	33.65	37.70	38.15	27.15	27.00	30.30 E	19.00	18.30	23.45	30.45
24	31.90	22.90	33.90	38.00	38.15	27.15	27.35	30.05 E	19.20	18.80	25.45	29.90
25	31.70	22.80	34.00	38.00	37.75	26.55	27.35	30.10 E	19.25	19.70	26.50	29.30
26	31.45	23.55	34.00	38.05	37.80	26.30	27.35	29.80	19.40	19.00	27.40	28.40
27	31.20	23.50	33.80	38.15	37.10	26.25	28.00	29.60	19.60	17.80	28.60	26.95
28	31.45	23.90	33.70	37.90	36.85	26.35	28.10	29.50	19.15	17.60	28.90	25.35
29	31.30	-----	33.60	37.55	36.50	26.15	28.15	29.10	19.85	17.70	29.10	22.50
30	31.35	-----	33.50	37.60	36.25	25.65	28.60	28.70	20.10	18.10	29.60	21.95
31	31.15	-----	33.10	-----	36.00	-----	28.95	28.40	-----	18.15	-----	20.70

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	30.62	25.51	30.84	36.11	37.40	27.79	25.52	30.33	20.77	22.42	18.81	28.53
MAX	32.40	31.00	34.00	38.15	38.25	35.80	28.95	31.50	27.60	26.90	29.60	31.00
MIN	28.40	21.10	24.15	32.85	36.00	24.65	23.00	28.40	18.70	17.60	13.35	20.70
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

E=ESTIMATED

THE MEAN STAGE FOR THE YEAR WAS 27.93.

HIGHEST STAGE WAS 38.25 ON MAY 18.

LOWEST STAGE WAS 13.35 ON NOV 11 AND LATER DATE(S).

## DAILY STAGE FOR 1993

## ATCHAFALAYA RIVER AT BARBRE LANDING, LA.

LOCATION. LAT. 31-00-48, LONG. 91-44-25. ON LEFT BANK OF OLD RIVER OPPOSITE MOUTH OF RED RIVER, AT HEAD OF ATCHAFALAYA RIVER. (STA. 0301511.)

GAGE. STAFF TYPE IN SEVERAL SECTIONS.

GENERAL INFORMATION. GAGE USUALLY READ BETWEEN SEVEN AND NINE A.M. DRAINAGE AREA NOT DETERMINED. BANKFULL STAGE, 48 FEET. MEAN LOW WATER STAGE, 7.1 FEET. STAGE IS AFFECTED BY THE DIVERSION OF WATER FROM MISSISSIPPI RIVER THROUGH OLD RIVER OUTFLOW CHANNEL. PRIOR TO 1975 GAGE ZERO WAS 3.81 FEET NGVD.

RECORDS AVAILABLE. STAGE, JUNE 15, 1880 TO DATE. DISCHARGE, 1851, 1858, 1873, 1879 TO 1882, AND 1885.

EXTREMES. HIGHEST, 61.51 FEET ON MAY 14, 1927. LOWEST, 0.96 FOOT ON JULY 16, 1964. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	E 30.70	31.10	24.25	33.20	E 38.00	35.90	25.25	E 29.30	27.60	21.60	17.50	30.30
2	E 30.70	30.75	25.70	33.15	E 38.20	35.20	25.10	29.45	27.35	E 22.00	17.25	29.80
3	E 30.60	31.00	27.50	E 33.45	38.20	34.40	E 24.60	29.15	26.50	E 22.50	17.00	29.15
4	30.45	30.60	28.40	E 33.65	37.30	33.60	E 24.40	29.90	E 25.20	22.70	16.25	E 28.15
5	29.90	30.35	28.90	33.60	37.60	E 32.40	E 23.90	29.85	E 24.20	23.80	15.60	E 28.05
6	29.35	E 30.00	E 29.10	33.65	37.50	E 31.40	23.10	30.10	E 23.30	25.15	E 15.15	28.30
7	28.60	E 29.70	E 29.30	34.05	37.70	30.60	23.70	E 30.50	22.60	25.70	E 14.50	28.35
8	28.80	29.30	29.30	34.60	E 37.60	29.35	24.20	E 30.80	21.20	25.60	14.00	27.75
9	E 28.90	28.80	29.60	35.00	E 37.45	28.10	23.50	31.20	19.70	E 26.30	13.90	28.35
10	E 29.00	27.90	29.45	E 35.60	37.35	26.90	E 23.50	31.15	18.90	E 26.90	13.30	29.00
11	28.95	27.10	29.20	E 36.00	37.10	26.55	E 23.40	31.45	E 19.55	E 27.00	13.20	E 29.10
12	29.60	26.20	29.20	36.05	37.20	26.15	23.60	31.50	E 19.45	27.10	13.10	E 29.20
13	30.30	E 24.70	E 29.95	36.30	37.40	25.45	23.70	31.40	19.35	27.00	E 13.50	29.35
14	31.00	E 23.60	E 30.15	36.75	37.40	24.90	24.30	E 31.55	19.20	27.05	E 13.50	30.00
15	31.15	E 22.45	30.20	37.20	E 37.60	24.80	25.05	E 31.70	19.10	26.20	14.50	30.40
16	E 31.05	21.60	30.75	37.40	E 37.75	24.80	25.25	31.55	18.95	E 25.20	14.95	30.65
17	E 31.05	22.00	31.40	E 37.30	37.75	25.05	25.40	31.60	18.65	E 24.70	16.00	30.90
18	E 31.05	22.20	32.00	E 37.45	38.45	25.30	E 25.60	31.25	E 19.15	24.10	16.40	E 30.90
19	31.10	21.75	32.30	37.65	38.35	E 25.60	25.85	31.10	E 19.05	22.70	17.55	E 30.85
20	31.75	E 21.60	E 32.50	38.00	38.30	E 25.70	26.00	31.00	19.10	20.90	E 18.40	30.75
21	32.40	E 22.40	E 32.90	38.05	38.00	25.90	26.50	E 30.80	18.80	19.75	E 18.30	30.80
22	32.30	22.90	33.20	37.95	E 38.30	26.35	26.90	E 30.60	18.80	19.00	21.00	30.75
23	E 32.00	22.80	33.80	38.00	E 38.30	27.30	27.10	30.45	18.90	E 18.80	23.60	30.60
24	E 31.95	23.00	34.10	E 38.10	38.20	27.35	E 27.50	30.10	19.15	E 19.30	25.60	E 29.80
25	31.87	23.20	34.10	E 38.20	37.70	27.65	E 27.60	30.20	E 19.20	19.95	E 26.80	E 29.10
26	31.65	23.60	34.10	38.30	37.80	E 26.50	27.45	29.75	E 19.55	18.90	27.15	E 28.00
27	31.60	E 23.80	33.95	38.35	37.30	E 26.40	28.15	29.70	19.95	17.15	E 28.70	26.95
28	31.60	E 23.90	33.90	38.30	37.05	26.35	28.35	E 29.50	19.65	17.75	E 28.95	25.00
29	31.50	-----	33.80	37.75	E 36.70	26.40	28.45	E 29.15	20.05	17.75	29.05	22.60
30	31.40	-----	33.60	37.80	E 36.45	25.80	28.60	28.90	20.10	E 18.50	29.70	21.50
31	E 31.20	-----	33.35	-----	E 36.20	-----	E 29.10	28.40	-----	E 18.20	-----	E 21.40

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	30.76	25.65	30.97	36.36	37.62	27.94	25.65	30.42	20.74	22.56	18.81	28.57
MAX	32.40	31.10	34.10	38.35	38.45	35.90	29.10	31.70	27.60	27.10	29.70	30.90
MIN	28.60	21.60	24.25	33.15	36.20	24.80	23.10	28.40	18.65	17.15	13.10	21.40
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

E=ESTIMATED

THE MEAN STAGE FOR THE YEAR WAS 28.05.

HIGHEST STAGE WAS 38.45 ON MAY 18.

LOWEST STAGE WAS 13.10 ON NOV 12.



## DAILY STAGE FOR 1993

## ATCHAFALAYA RIVER AT SIMMESPORT, LA.

LOCATION. LAT. 30-58-57, LONG. 91-47-54. ON RAILWAY BRIDGE NEAR RIGHT BANK, 4.9 MILES (1963 SURVEY) FROM HEAD OF RIVER. THE HEAD OF ATCHAFALAYA RIVER IS AT THE CONFLUENCE OF RED AND LOWER OLD RIVERS. (STA. 0304512B.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

DISCHARGE RANGE. ABOUT THREE AND A HALF MILES DOWNSTREAM FROM BRIDGE.

GENERAL INFORMATION. DRAINAGE AREA, NOT INCLUDING MISSISSIPPI RIVER, ABOUT 87,570 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 46 FEET. MEAN LOW WATER STAGE, 6.9 FEET. THE DISCHARGE IS COMPOSED OF RED RIVER FLOW AND CONTROLLED DIVERSION OF THE MISSISSIPPI RIVER (MILE 314.6) THROUGH OLD RIVER OUTFLOW CHANNEL. ZERO OF GAGE PRIOR TO DEC. 1904 WAS 3.81 FEET, NGVD. FROM 1905 TO 1975 GAGE ZERO WAS 5.73 FEET, NGVD.

RECORDS AVAILABLE. STAGE, MAY 1, 1887 TO MAY 15, 1892, AND DEC. 1, 1903 TO DATE (NO RECORD OF STAGES BELOW 30 FEET FROM JAN. 16, 1915 TO NOV. 1919, AND BELOW 34 FEET FROM DEC. 1919 TO 1927). DISCHARGE, 1851 INTERMITTENTLY TO DATE. COMPUTED DAILY, SINCE 1928.

EXTREMES. HIGHEST, 59.13 FEET ON MAY 16, 1927. LOWEST, 0.70 FOOT ON OCT. 17, 1976. MAXIMUM, 781,000 CFS OBSERVED ON MAY 12, 1973 (STAGE 54.43 NGVD). MINIMUM, 10,500 CFS COMPUTED FOR JUNE 24, 1964 (STAGE, 1.41 NGVD). EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1966 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	28.40	28.60	22.09	30.68	35.35	33.20	23.10	26.99	25.50	19.55	15.70	28.05
2	28.40	28.28	23.50	30.70	35.50	32.60	22.95	27.20	25.15	20.00	15.40	27.68
3	28.30	28.30	25.03	31.05	35.45	31.80	22.43	26.95	24.30	20.50	15.20	27.00
4	28.15	28.11	26.01	31.05	34.60	30.90	22.35	27.60	23.12	20.70	14.60	25.90
5	27.60	27.90	26.54	31.05	34.95	29.60	21.90	27.50	22.30	21.60	14.00	25.90
6	27.10	27.50	26.70	31.15	34.90	28.78	21.20	27.70	21.32	22.95	13.60	26.20
7	26.45	27.22	26.90	31.60	35.15	28.10	21.50	27.90	20.69	23.70	13.05	26.20
8	26.60	26.98	26.89	32.00	35.08	26.99	22.00	28.38	19.30	23.50	12.48	25.65
9	26.74	26.44	27.11	32.50	34.90	25.65	21.40	28.75	17.70	24.20	12.40	26.20
10	26.82	25.57	27.02	33.00	34.85	24.90	21.40	28.70	17.10	24.70	11.90	26.80
11	26.71	24.87	26.80	33.15	34.55	24.50	21.39	29.00	17.60	24.60	11.70	26.95
12	27.31	24.03	26.88	33.40	34.60	23.90	21.60	29.00	17.50	24.80	11.75	27.10
13	28.00	22.49	27.58	33.75	34.80	23.20	21.70	29.10	17.40	24.82	11.99	27.15
14	28.64	21.41	27.77	34.15	34.80	22.89	22.35	29.25	17.48	24.90	11.70	27.80
15	28.71	20.40	27.83	34.60	35.05	22.80	23.00	29.25	17.00	24.20	13.10	28.00
16	28.71	19.65	28.25	34.70	35.10	22.75	23.20	29.20	16.70	23.30	13.30	28.30
17	28.67	19.97	29.00	34.55	35.10	23.05	23.30	29.25	16.82	22.80	14.10	28.50
18	28.70	20.12	29.50	34.80	35.80	23.28	23.68	28.95	17.29	22.20	14.65	28.55
19	28.65	19.79	29.92	34.90	35.70	23.60	23.80	28.85	17.20	20.80	15.70	28.47
20	29.24	19.61	30.24	35.20	35.65	23.70	23.90	28.60	17.20	18.80	16.39	28.35
21	29.90	20.37	30.50	35.30	35.50	23.95	24.50	28.45	16.85	17.62	16.20	28.50
22	29.70	20.90	30.70	35.30	35.70	24.30	24.78	28.20	16.89	17.00	18.95	28.45
23	29.50	20.75	31.30	35.30	35.70	25.15	24.99	28.20	17.01	16.80	21.40	28.20
24	29.39	20.82	31.55	35.55	35.60	25.20	25.20	27.85	17.15	17.50	23.30	27.60
25	29.38	21.10	31.55	35.55	35.20	24.50	25.25	27.90	17.25	18.00	24.38	27.00
26	29.19	21.55	31.60	35.65	35.20	24.40	25.20	27.50	17.55	17.19	24.85	26.05
27	29.08	21.62	31.35	35.70	34.75	24.25	25.90	27.48	18.00	15.55	26.32	24.40
28	29.14	21.73	31.40	35.50	34.40	24.30	26.10	27.20	17.65	15.99	26.73	22.60
29	29.09	-----	31.25	35.12	34.05	24.30	26.20	26.80	18.05	15.95	26.85	20.40
30	28.97	-----	31.08	35.30	33.75	23.60	26.40	26.68	18.10	16.70	27.55	19.90
31	28.80	-----	30.82	-----	33.50	-----	26.70	26.30	-----	16.35	-----	19.72

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	28.39	23.43	28.54	33.74	35.01	25.67	23.53	28.09	18.77	20.56	16.97	26.37
MAX	29.90	28.60	31.60	35.70	35.80	33.20	26.70	29.25	25.50	24.90	27.55	28.55
MIN	26.45	19.61	22.09	30.68	33.50	22.75	21.20	26.30	16.70	15.55	11.70	19.72
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 25.80.  
 HIGHEST STAGE WAS 35.80 AT 3:00 A.M. ON MAY 18.  
 LOWEST STAGE WAS 11.40 ON NOV 13.

DAILY FLOW FOR 1993  
 ATCHAFALAYA RIVER AT SIMMESPORT, LA.--CONTINUED  
 COMPUTED DAILY DISCHARGE IN THOUSAND DAY SECOND FEET

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	363	370	274	405	505	439	286	329	313	241	193	357
2	363	363	293	404	511	426	284	332	309	246	192	349
3	362	365	314	410	511	411	278	329	302	253	189	339
4	360	362	327	414	481	398	278	336	287	256	181	325
5	350	357	334	413	492	378	272	336	276	267	174	323
6	342	352	337	414	487	368	262	338	264	285	169	327
7	332	347	340	423	497	357	266	342	255	295	163	327
8	333	341	340	436	497	342	272	347	239	293	156	320
9	336	333	343	443	488	325	266	350	219	302	155	323
10	337	322	342	455	485	310	266	350	211	308	152	333
11	337	312	338	461	473	302	264	353	216	308	150	335
12	346	300	338	464	477	298	267	355	215	310	148	337
13	357	280	350	469	483	289	269	353	214	309	152	338
14	367	266	353	481	483	283	276	355	215	310	152	348
15	370	251	354	490	492	282	284	357	212	301	163	351
16	368	243	363	493	498	282	287	355	207	289	166	353
17	368	247	375	490	497	285	288	356	207	283	177	357
18	368	248	384	493	520	288	292	352	213	274	181	357
19	370	242	390	498	517	293	294	350	212	256	194	356
20	379	240	392	505	517	293	295	348	211	232	202	353
21	391	250	401	507	507	296	302	347	207	218	201	355
22	389	257	405	506	517	300	304	344	208	209	233	354
23	383	255	417	508	516	309	307	342	208	206	261	353
24	383	256	424	513	515	310	311	338	211	212	292	340
25	384	262	423	514	497	302	312	339	212	220	306	329
26	379	267	423	514	500	301	310	335	216	212	312	312
27	379	268	420	515	479	300	317	334	222	192	332	293
28	379	269	419	514	470	300	321	332	218	197	337	267
29	377	-----	417	500	455	299	322	328	223	197	337	237
30	376	-----	413	503	448	293	323	326	223	206	348	225
31	372	-----	408	-----	444	-----	327	322	-----	202	-----	223

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	365	294	369	472	492	322	290	342	231	254	212	326
MAX	391	370	424	515	520	439	327	357	313	310	348	357
MIN	332	240	274	404	444	282	262	322	207	192	148	223
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 TOTAL FOR YEAR WAS 120,815,000 DSF.  
 THE MEAN FLOW FOR THE YEAR WAS 331,000 DSF.  
 MAXIMUM DAILY DISCHARGE WAS 520,000 DSF ON MAY 18.  
 MINIMUM DAILY DISCHARGE WAS 148,000 DSF ON NOV 12.

## DAILY STAGE FOR 1993

## ATCHAFALAYA RIVER AT MELVILLE, LA.

LOCATION. LAT. 30-41-26, LONG. 91-44-10. TEXAS AND PACIFIC RAILROAD BRIDGE 29.5 MILES (1963 SURVEY) FROM HEAD OF RIVER. (STA. 0306012B.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT TYPE.

GENERAL INFORMATION. DRAINAGE AREA NOT DETERMINED. BANKFULL STAGE, 41 FEET. MEAN LOW WATER STAGE 6.3 FEET. PRIOR TO 1975 GAGE ZERO WAS 0.18 FOOT, NGVD.

RECORDS AVAILABLE. STAGE, 1885 TO DATE.

EXTREMES. HIGHEST, 46.98 FEET ON MAY 14 TO 16, 1927. LOWEST, 0.80 FOOT ON JAN. 19, 1981. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	22.7 E	23.0	17.4	24.5	28.4	26.7	18.2	21.2	20.2	14.6	12.0	21.6
2	22.6	22.7	18.4	24.5	28.6	26.1	18.0	21.4	19.8	15.1 E	11.7	21.4
3	22.5	22.8	19.9	24.7	28.6	25.5	17.7	21.2	19.3	15.5 E	11.6	21.0
4	22.4	22.6	20.6	24.8	27.9	24.8 E	17.6	21.7	18.3	15.7	11.1	20.3
5	22.0	22.4	21.0	24.9	28.1	23.9 E	17.2	21.7 E	17.6	16.4 E	10.7	20.1
6	21.6	22.2	21.2	24.9	28.0	23.2 E	16.9	21.9	16.8	17.6 E	10.3	20.3
7	21.1	21.9	21.3	25.1	28.2	22.7	17.2	22.2 E	16.2	18.2 E	9.8	20.4
8	21.2	21.7	21.4	25.8	28.1	21.8	17.6	22.4	15.2	18.2	9.3	20.0
9	21.2	21.3	21.6	26.0	28.0	20.8 E	17.1	22.7	13.9	18.7	9.2	20.3
10	21.4	20.5	21.5	26.3	27.9	20.0	16.8	22.7 E	13.3	19.1	8.9	20.9
11	21.4	19.9	21.5	26.6	27.6	19.5	16.6 E	22.9 E	13.5	19.1	8.8	21.1
12	21.7	19.4	21.4	26.8	27.7	19.2	16.8 E	23.0 E	13.4	19.3	8.9	21.2
13	22.3	18.2	21.9	27.0	27.9	18.5	16.9 E	22.9 E	13.4	19.2	9.0	21.2
14	22.7	17.3	22.0	27.3	27.8	18.1	17.3 E	23.1	13.3	19.3	8.9	21.8
15	22.9	16.5	22.1	27.7	28.0	18.0	17.7 E	23.2	13.1	18.9	9.5	22.0
16	22.9 E	15.9	22.5	27.8	28.0	17.9	18.0 E	23.1	12.9	18.2	9.7	22.1
17	22.9	15.6	23.1	27.6	28.1	18.1	18.0 E	23.1	12.7	17.7	10.4	22.3
18	22.9	15.7	23.5	27.7	28.6	18.3	18.4 E	23.0	13.1	17.2	10.8	22.4
19	23.0 E	15.6	23.8	27.8	28.6	18.6	18.4 E	22.9	12.9	16.2	11.6	22.3
20	23.4	15.4	24.1	28.0	28.5	18.7	18.6	22.8	12.9	14.8	12.1	22.2
21	24.0	15.9	24.3	28.2	28.4	18.8	19.0	22.8	12.7	13.8	12.2	22.4
22	24.0	16.4	24.4	28.2	28.5	19.1	19.2	22.6	12.7	13.1	14.1	22.3
23	23.9	16.4	25.0	28.2	28.5	19.7	19.4	22.5 E	12.7	12.9	15.9	22.2
24	23.8	16.5	25.2	28.3	28.4	19.9	19.8	22.1 E	12.8	13.3	17.7	21.8
25	23.7 E	16.8	25.2	28.3	28.1	19.4	19.7 E	22.1 E	12.8	13.7	18.7	21.3
26	23.6	17.0	25.3	28.5	28.2	19.2	19.7 E	21.8 E	13.0	13.3	19.2	20.5
27	23.5	17.1	25.1	28.5	27.7	19.1	20.2	21.7 E	13.4	12.0	20.3	19.6
28	23.3	17.2	25.1 E	28.4	27.5	19.1	20.4	21.6	13.2	12.1	20.6 E	18.1
29	23.3	-----	25.0	28.2	27.2	19.1	20.5	21.3	13.5	12.1	20.6	16.7
30	E 23.2	-----	24.8	28.3	27.0	18.6	20.7	21.1	13.6	12.8	21.2	15.8
31	E 23.1	-----	24.6	-----	26.8	-----	21.0	20.8	-----	12.5	-----	15.5

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	22.7	18.7	22.7	27.0	28.0	20.4	18.4	22.2	14.4	15.8	12.8	20.7
MAX	24.0	23.0	25.3	28.5	28.6	26.7	21.0	23.2	20.2	19.3	21.2	22.4
MIN	21.1	15.4	17.4	24.5	26.8	17.9	16.6	20.8	12.7	12.0	8.8	15.5
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

E=ESTIMATED

THE MEAN STAGE FOR THE YEAR WAS 20.4.

HIGHEST STAGE WAS 28.6 ON MAY 2 AND LATER DATE(S).

LOWEST STAGE WAS 8.8 ON NOV 11.

## DAILY STAGE FOR 1993

## ATCHAFALAYA RIVER AT KROTZ SPRINGS, LA.

LOCATION. LAT. 30-32-07, LONG. 91-44-48. ON RIGHT BANK AT TENNECO OIL COMPANY WHARF, 41.3 MILES (1963 SURVEY) FROM HEAD OF RIVER AND 1,000 FEET DOWNSTREAM FROM MISSOURI PACIFIC RAILROAD BRIDGE. (STA. 0307512B.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. DRAINAGE AREA NOT DETERMINED. BANKFULL STAGE, 37 FEET. MEAN LOW WATER STAGE, 6.1 FEET. ZERO OF GAGE, FROM 1935 THRU 1943 AND 1950 WAS MINUS 20.00 FEET, NGVD, 1944 THRU 1949 MINUS 0.03 FOOT, NGVD, 1951 TO DATE ZERO, NGVD.

RECORDS AVAILABLE. STAGE, 1912 TO DATE. DISCHARGE, OCT. 1934 TO SEPT. 1964 IN REPORTS OF U.S. GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 38.5 FEET ON MAY 15, 1927. LOWEST, 0.90 FOOT ON OCT. 18, 1976.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	19.90	20.34	15.40	21.50	24.75	23.31	16.10	18.78	17.80	12.83	10.52	19.00
2	19.85	20.08	16.30	21.45	24.90	22.90	15.89	18.90	17.60	13.24	10.30	18.88
3	19.80	20.10	17.66	21.65	25.05	22.40	15.55	18.50	17.10	13.65	10.28	18.42
4	19.70	19.90	18.22	21.88	24.39	21.90	15.49	18.95	16.30	13.85	9.87	17.80
5	19.33	19.80	18.61	21.90	24.53	21.50	15.10	19.00	15.70	14.49	9.48	17.68
6	18.90	19.60	18.73	21.78	24.50	20.50	14.49	19.15	15.00	15.59	9.08	17.80
7	18.53	19.40	18.85	22.03	24.65	20.10	14.60	19.39	14.41	16.15	8.60	17.80
8	18.66	19.10	18.95	22.73	24.60	19.30	15.19	19.71	13.50	16.15	8.33	17.45
9	18.75	18.70	18.95	23.03	24.45	18.50	14.81	19.80	12.21	16.67	8.06	17.80
10	18.77	18.20	18.90	23.33	24.39	17.80	14.75	19.85	11.96	16.98	7.79	18.32
11	18.75	17.70	18.78	23.53	24.18	17.40	14.70	20.05	12.11	17.00	7.71	18.50
12	19.10	17.20	18.73	23.73	24.19	17.10	14.80	20.09	11.95	17.10	7.75	18.60
13	19.59	16.20	19.20	23.86	24.35	16.60	14.91	20.08	11.91	17.08	7.93	18.65
14	20.00	15.50	19.30	24.16	24.30	16.12	15.30	20.20	11.84	17.20	8.00	19.10
15	20.10	14.70	19.40	24.36	24.48	15.95	15.73	20.30	11.65	16.77	8.65	19.30
16	20.13	14.20	19.75	24.36	24.50	15.88	15.98	20.19	11.40	16.05	8.70	19.40
17	20.19	14.20	20.35	24.24	24.60	16.01	16.00	20.22	11.22	15.65	9.30	19.60
18	20.14	14.30	20.68	24.36	25.10	16.20	16.25	20.02	11.58	15.22	9.60	19.70
19	20.20	13.90	20.95	24.45	25.11	16.50	16.36	19.98	11.42	14.22	10.30	19.60
20	20.63	13.70	21.29	24.68	25.05	16.53	16.45	19.88	11.48	12.89	10.70	19.50
21	21.22	14.20	21.50	24.80	24.89	16.71	16.73	19.75	11.32	12.00	10.80	19.60
22	21.10	14.60	21.68	24.80	24.92	16.99	16.85	19.61	11.30	11.33	12.40	19.50
23	20.97	14.60	21.95	24.85	24.95	17.53	17.02	19.60	11.33	10.99	14.00	19.50
24	20.94	14.60	22.15	24.95	24.90	17.69	17.21	19.40	11.26	11.31	15.50	19.10
25	20.87	14.80	22.22	24.95	24.68	17.20	17.30	19.40	11.30	11.72	16.40	18.70
26	20.75	15.10	22.30	25.05	24.70	17.05	17.32	19.20	11.52	11.73	16.80	18.10
27	20.65	15.10	22.10	25.00	24.30	16.91	17.80	19.10	11.85	10.50	17.80	17.40
28	20.62	15.20	22.05	24.90	24.10	16.95	18.00	19.00	11.59	10.58	18.10	16.20
29	20.67	-----	21.96	24.60	23.80	16.90	18.02	18.80	11.80	10.52	18.10	14.90
30	20.63	-----	21.75	24.65	23.65	16.50	18.28	18.60	11.90	11.30	18.60	14.10
31	20.44	-----	21.60	-----	23.45	-----	18.50	18.40	-----	10.99	-----	13.90

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	20.00	16.61	20.01	23.72	24.53	18.10	16.18	19.48	12.78	13.93	11.31	18.19
MAX	21.22	20.34	22.30	25.05	25.11	23.31	18.50	20.30	17.80	17.20	18.60	19.70
MIN	18.53	13.70	15.40	21.45	23.45	15.88	14.49	18.40	11.22	10.50	7.71	13.90
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 17.94.  
 HIGHEST STAGE WAS 25.16 AT 6:30 A.M. ON APR 26.  
 LOWEST STAGE WAS 7.60 ON NOV 11.



## DAILY STAGE FOR 1993

## ATCHAFALAYA RIVER AT ATCHAFALAYA, LA.

LOCATION. LAT. 30-20-46, LONG. 91-43-18. ON RIGHT BANK 59.3 MILES (1963 SURVEY) FROM HEAD OF RIVER. (STA. 03090120.)

GAGE. STAFF TYPE IN SEVERAL SECTIONS.

GENERAL INFORMATION. DRAINAGE AREA NOT DETERMINED. BANKFULL STAGE, 28 FEET. MEAN LOW WATER STAGE, 5.6 FEET. PRIOR TO 1975 GAGE ZERO WAS MINUS 0.16 FOOT, NGVD.

RECORDS AVAILABLE. STAGE, JAN. 1, 1931 TO DATE. FROM FEB. 1951 TO DEC. 1958, GAGE WAS ABOUT 0.8 MILE UPSTREAM. DISCHARGE, INTERMITTENTLY, 1945 TO 1950 AND 1955 TO 1979.

EXTREMES. HIGHEST, 30.22 FEET ON MAY 5, 1950. LOWEST, 0.40 FOOT ON JAN. 17, 1981. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	E 16.10	16.90	12.90	17.70	19.80 E	18.45	13.60	14.90 E	14.50	11.00	8.50 E	14.50
2	E 16.25	16.70	13.30	17.60	19.70 E	18.25	13.30	14.95 E	14.40	11.30	8.30 E	14.60
3	15.90	16.60 E	14.10	17.70	19.75 E	18.00	13.10	15.20 E	14.20	11.40	8.05 E	14.60
4	16.00	16.50 E	14.50	17.70	19.70 E	17.70	13.10	15.50	13.85	11.50	7.80 E	14.50
5	E 15.90	16.40 E	14.80	17.90	19.75 E	17.20	13.00	15.60	13.45	11.70	7.50 E	14.30
6	E 15.88	16.30 E	14.90	18.20	19.80 E	16.70 E	12.70	15.70	13.10	12.00	7.20 E	14.40
7	15.60	16.10	15.00	18.30	19.70 E	16.40 E	12.80	15.80	12.70	12.30	7.00 E	14.50
8	15.50	15.80	15.15	18.50	19.60 E	16.00 E	12.90	15.90	12.30	12.60	6.85 E	14.50
9	15.50	15.60	15.30	18.65	19.53 E	15.40	12.60	15.90	11.00	12.90	6.60 E	14.60
10	15.50	15.30	15.40	18.90	19.50	14.85	12.40	15.95	10.80	13.10	6.50 E	14.70
11	15.60	14.90	15.50	18.90	19.45	14.50	12.50	16.00	10.70	13.20	6.45 E	14.80
12	15.80	14.70	15.60	18.90	19.50	14.10	12.55	16.00	10.30	13.25	6.50	15.00
13	16.10	13.95	15.70	19.00	19.40 E	13.70	12.60	16.05	10.25	13.30	6.85	15.10
14	16.30 E	13.20	16.00	19.05	19.50 E	13.45	12.80	16.10	10.20	13.40	6.95	15.10
15	16.50	12.50	16.20	19.10	19.55 E	13.35	13.00	16.10	10.10	13.30	6.95	15.20
16	16.60	12.30	16.35	19.36	19.50 E	13.25	13.10	16.07	10.00	13.10	7.30	15.60
17	16.60	12.10	16.50	19.36	19.45	13.50	13.15	16.05	9.95	12.80	7.50	15.80
18	16.60	12.00	16.70	19.40	19.50	13.55	13.40	16.00	9.98	12.50	7.80	15.90
19	16.80	11.90	16.90	19.55	19.60	13.70	13.50	15.90	9.90	12.00	8.10	15.98
20	17.00	11.80	17.10	19.60	19.70	13.70	13.60	15.80	9.80	11.50	8.40	16.08
21	17.30	12.00	17.25	19.70	19.60	13.90	13.65	15.75	9.75	11.00	8.55	15.95
22	17.40	12.25	17.40	19.75	19.65	14.16	13.75 E	15.70	9.75	10.50	9.60	15.95
23	17.50	12.27	17.60	19.80	19.65	14.20	13.90 E	15.60	9.75 E	10.20	10.40	15.90
24	17.40	12.25	17.80	19.85	19.60	14.25	13.95 E	15.50	9.85	10.30 E	11.80	15.80
25	17.30	12.50	17.85	19.85	19.50	14.15	13.95 E	15.50	9.90	10.50	12.80	15.60
26	17.28	12.75	17.90	19.85	19.40	14.10	14.05 E	15.40	9.90 E	10.40	13.40 E	15.10
27	17.20	12.80	17.90	19.92	19.35	13.90	14.10 E	15.30	10.20	9.50	13.90 E	14.60
28	17.10	12.80	17.95	19.90	19.25	13.85	14.20 E	15.20	10.30	9.20 E	14.10 E	13.90
29	17.20	-----	17.98	19.84	19.05	13.60	14.35 E	14.95	10.50	9.30 E	14.10 E	13.30
30	17.10	-----	17.90	19.70 E	18.90	13.55	14.45 E	14.80	10.60	9.20 E	14.40 E	12.60
31	16.98	-----	17.80	----- E	18.65	-----	14.60 E	14.70	-----	8.90	-----	12.10

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	16.51	13.97	16.23	19.05	19.50	14.85	13.38	15.61	11.07	11.52	9.00	14.86
MAX	17.50	16.90	17.98	19.92	19.80	18.45	14.60	16.10	14.50	13.40	14.40	16.08
MIN	15.50	11.80	12.90	17.60	18.65	13.25	12.40	14.70	9.75	8.90	6.45	12.10
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
E=ESTIMATED

THE MEAN STAGE FOR THE YEAR WAS 14.65.

HIGHEST STAGE WAS 19.92 ON APR 27.

LOWEST STAGE WAS 6.45 ON NOV 11.

## DAILY STAGE FOR 1993

## ATCHAFALAYA RIVER AT BUTTE LA ROSE, LA.

LOCATION. LAT. 30-16-57, LONG. 91-41-17. ON RIGHT BANK 64.8 MILES (1963 SURVEY) FROM HEAD OF RIVER, 600 FEET NORTH OF BOAT LAUNCHING RAMP. (STA. 0312012D.)

GAGE. WIRE WEIGHT TYPE.

GENERAL INFORMATION. DRAINAGE AREA NOT DETERMINED. BANKFULL STAGE, 18 FEET. MEAN LOW WATER STAGE, 5.17 FEET. PRIOR TO OCT. 17, 1967, GAGE WAS LOCATED ON LEFT BANK. PRIOR TO 1975 GAGE ZERO WAS MINUS 0.30 FOOT, NGVD.

RECORDS AVAILABLE. STAGE, MAY 29, 1928 TO DATE.

EXTREMES. HIGHEST, 27.28 FEET ON MAY 23, 1973. LOWEST, 0.33 FOOT ON OCT. 17, 1976. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	14.70	15.80	12.23	16.40	18.53	17.55	12.65	13.85	14.05	9.78	8.48	13.60
2	14.90	15.55	13.08	16.30	18.65	17.40	12.45	13.70	13.85	10.30	8.10	13.58
3	14.70	15.45	13.10	16.35	18.69	17.10	12.15	13.95	13.45	10.30	7.78	13.60
4	14.93	15.40	13.60	16.60	18.40	16.75	12.15	14.10	12.85	10.43	7.55	13.60
5	14.80	15.30	13.85	16.70	18.47	16.45	11.94	14.35	12.45	10.78	7.20	13.38
6	14.50	15.20	14.00	16.85	18.46	15.94	11.73	14.55	12.05	11.12	6.90	13.44
7	14.30	15.00	14.15	17.05	18.49	15.45	11.65	14.65	11.65	11.45	6.55	13.58
8	14.52	14.85	14.28	17.40	18.45	15.15	11.60	14.95	10.95	11.78	6.78	13.44
9 E	14.50	14.55	14.39	17.54	18.37	14.60	11.53	14.95	10.25	12.15	6.60	13.55
10	14.40	14.15	14.40	17.70	18.34	14.30	11.45	14.98	10.10	12.23	6.40	13.80
11	14.50	13.75	14.50	17.80	18.30	13.55	11.45	14.99	9.65	12.45	6.20	13.98
12	14.78	13.55	14.50	17.80	18.33	13.29	11.50	15.05	9.65	12.57	6.07	14.10
13	14.94	12.90	14.60	17.90	18.37	13.15	11.55	15.05	9.54	12.66	6.25	14.40
14	15.25	12.38	14.70	18.10	18.40	12.95	11.78	15.10	9.40	12.58	6.60	14.54
15	15.48	11.85	15.15	18.25	18.45	12.67	11.98	15.10	9.35	12.52	6.55	14.60
16	15.50	11.53	15.35	18.36	18.50	12.53	12.00	15.09	9.15	12.07	6.86	14.64
17	15.50	11.35	15.55	18.36	18.52	12.57	12.05	15.07	8.97	11.78	7.30	14.80
18	15.50	11.30	15.60	18.18	18.55	12.57	12.15	15.03	9.13	11.45	7.80	14.90
19	15.50	11.05	15.75	18.40	18.62	12.75	12.16	15.00	9.08	11.10	8.00	14.88
20	15.80	10.95	15.92	18.55	18.60	12.75	12.26	14.98	8.85	10.50	8.33	14.94
21	16.30	11.15	16.05	18.57	18.50	12.85	12.50	14.94	8.85	10.07	8.38	14.94
22	16.25	11.40	16.15	18.59	18.53	13.10	12.70	14.88	8.85	9.45	9.40	14.93
23	16.25	11.40	16.45	18.63	18.50	13.17	12.85	14.70	8.93	9.18	10.80	14.90
24	16.15	11.46	16.65	18.65	18.50	13.28	12.90	14.69	8.93	9.20	11.60	14.60
25	16.10	11.47	16.70	18.65	18.47	13.15	12.95	14.65	9.08	9.48	12.10	14.40
26	16.05	11.70	16.73	18.68	18.38	13.25	13.05	14.66	9.08 E	9.48	12.40	14.00
27	15.94	11.68	16.72	18.71	18.25	12.98	13.25	14.54	9.30 E	8.60	13.00 E	13.50
28	15.90	11.90	16.65	18.65	18.15	12.94	13.32	14.47	9.43	8.38	13.28 E	12.80
29	15.90	-----	16.63	18.52	17.98	12.85	13.40	14.56	9.35	8.60	13.45	12.20
30	15.98	-----	16.50	18.45	17.85	12.73	13.47	14.30	9.30	8.70	13.58	11.45
31	15.85	-----	16.40	-----	17.75	-----	13.50	14.20	-----	8.70	-----	11.20

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	15.34	13.00	15.17	17.89	18.40	13.99	12.32	14.68	10.18	10.64	8.68	13.88
MAX	16.30	15.80	16.73	18.71	18.69	17.55	13.50	15.10	14.05	12.66	13.58	14.94
MIN	14.00	10.95	12.23	16.30	17.75	12.53	11.45	13.70	8.85	8.38	6.07	11.20
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

E=ESTIMATED

THE MEAN STAGE FOR THE YEAR WAS 13.70.

HIGHEST STAGE WAS 18.71 ON APR 27.

LOWEST STAGE WAS 6.07 ON NOV 12.

DAILY STAGE FOR 1993  
BAYOU LA ROMPE AT LAKE LONG (LA.)

LOCATION. LAT. 30-13-29, LONG. 91-35-18. TOWER ON RIGHT BANK OF BAYOU LA ROMPE 400 FEET UPSTREAM OF LAKE LONG. (STA. 0321012D.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1932 TO 1945 AND 1959 TO 1962. DAILY, JAN. 1971 TO MAR. 14, 1973 AND OCT. 24, 1974 TO DATE.

EXTREMES. (FROM 1971 TO DATE) HIGHEST, 22.84 FEET ON APR. 18, 1975. LOWEST, 1.50 FEET ON NOV. 11, 1987.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		F 15.48	F 11.98	16.21	18.14		12.86	13.80	13.88	9.66		
2				16.22	18.24		12.69	13.86	13.64	9.96		
3				16.23	18.26		12.52	13.94	13.43			
4				16.49	18.02		12.40	13.99	13.15			
5	F 14.67			16.50	18.03		12.34	14.11	12.84			
6				16.50	17.97		12.26	14.21	12.54			
7				16.52	18.03		12.06	14.31	12.18			
8					18.00		12.00	14.52	11.79			
9					17.95		11.98	14.65	11.04			
10					17.93		11.94	14.71	10.51			
11					17.85		11.96	14.77	10.32			
12			F	17.40	17.82		11.92	14.86	10.15			
13				17.51	17.86		11.95	14.91	10.02	12.65		
14				17.65	17.84		12.03	F 14.94	9.91	12.74		
15				17.89	17.86		12.02	14.95	9.86	12.75		
16				17.91	17.91		12.13	14.91	9.83	12.60		
17				17.89	17.94		12.22	14.95	9.74	12.40		
18				17.94	18.10		12.32	14.97	9.66	12.20		
19				17.95	18.13		12.40	14.92	9.64			
20				18.02	18.11		12.49	14.89	9.60			
21				18.10	18.04		12.57	14.88	9.56			
22				18.10	18.07		12.70	14.83	9.49			
23				18.14	18.08		12.85	14.76	9.39		F 10.68	
24				18.18	18.08		12.93	14.71	9.30			
25				18.20	17.99		13.02	14.64	9.27			
26				18.22	17.96		13.10	14.63	9.32			
27				18.22	17.84		13.19	14.53	9.50			
28				18.20	17.71	12.99	13.33	14.45	9.51			
29		-----		18.08	17.60	12.98	13.40	14.38	9.49			
30		-----		18.10	17.49	12.95	13.57	14.27	9.50			
31		-----	F 16.20	-----	17.38	-----	13.64	14.15	-----		-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	14.67	15.48	14.09	17.55	17.94	12.97	12.54	14.56	10.60	11.87	10.68	
MAX	14.67	15.48	16.20	18.22	18.26	12.99	13.64	14.97	13.88	12.75	10.68	
MIN	14.67	15.48	11.98	16.21	17.38	12.95	11.92	13.80	9.27	9.66	10.68	
DAYS	1	1	2	26	31	3	31	31	30	8	1	0

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 165

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 14.39.

HIGHEST STAGE WAS 18.30 AT 6:30 P.M. ON MAY 1.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 9.27 ON SEP 25.

## DAILY STAGE FOR 1993

## WHISKEY BAY PILOT CHANNEL BELOW HEAD (LA.)

LOCATION. LAT. 30-23-35, LONG. 91-39-59. TOWER ON RIGHT BANK, 600 FEET BELOW JUNCTION WITH ATCHAFALAYA RIVER, 55.4 MILES (1963 SURVEY) FROM HEAD OF ATCHAFALAYA RIVER VIA ATCHAFALAYA BASIN MAIN CHANNEL. (STA. 0324012D.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. DEC. 6, 1958 TO JUN. 20, 1973 AND JAN. 9, 1976 TO DATE.

EXTREMES. HIGHEST, 30.00 FEET ON MAY 22, 1973. LOWEST, 0.48 FOOT ON OCT. 17, 1976.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	16.92	17.48	13.37	18.45		19.85	14.12	15.75	15.35	11.21	9.46	16.00
2	16.90	17.32	13.96	18.36		19.45	13.90	15.85	15.13	11.55	9.28	15.93
3	16.85	17.32	14.88	18.45		19.06	13.65	15.74	14.82	11.85	9.14	15.65
4	16.81	17.17	15.43	18.66		18.70	13.56	16.03	14.20	12.00	8.85	15.35
5	16.62	17.05	15.73	18.70	20.80	18.16	13.34	16.10	13.75	12.43	8.53	15.15
6	16.32	16.92	15.82	18.64	20.80	17.70	12.93	16.21	13.17	13.12	8.17	15.30
7	16.03	16.72 F	15.95	18.76	20.85	17.30	12.95	16.39	12.77	13.55		15.30
8	16.15	16.47	15.92	19.27	20.82	16.75	13.20	16.63	12.12	13.59		15.15
9	16.20	16.20	16.19	19.55	20.72	16.12	13.10	16.77	11.24	13.95		15.30
10	16.25	15.71	16.20	19.75	20.70	15.53	12.99	16.80	10.80	14.15		15.67
11	16.27	15.39	16.11	19.89	20.56	15.25	12.95	16.95	10.87	14.20		15.82
12	16.50	14.98	16.13	20.00	20.57	14.95	12.97	16.97	10.70	14.30		15.85
13	16.85	14.20	16.44	20.18	20.73	14.55	13.02	16.97	10.65	14.32		15.90
14	17.12	13.64	16.53	20.30	20.65	14.29	13.19	17.11	10.60	14.43		16.34
15	17.23	13.04	16.54		20.70		13.46	17.20	10.46	14.17		16.43
16	17.30	12.70	16.83		20.78		13.65	17.10 F	10.29	13.78	7.83	16.55
17	17.35	12.58	17.29		20.83		13.66	17.14		13.50	8.36	16.73
18	17.35	12.60	17.55		21.10		13.87	17.03		13.25	8.54	16.80
19	17.40	12.36	17.74		21.15	14.35	13.96	16.93		12.60 F	9.10	16.75
20	17.72	12.17	17.95		21.12	14.38	14.00	16.86		11.74	9.40	16.75
21	18.19	12.49	18.13 F	21.09	21.00	14.46	14.26	16.83		11.10	9.45	16.80
22	18.12	12.79	18.22		21.05	14.65	14.40	16.74 F	10.02	10.55	10.72	16.75
23	18.06	12.78	18.60		21.02	14.89	14.55	16.68	10.10	10.25	11.99	16.75
24	18.05	12.80	18.78		21.00	15.00	14.69	16.55	10.05	10.45	13.19	16.40
25	17.95	12.89	18.87		20.86	14.74	14.74	16.52	10.14	10.73	13.85	16.10
26	17.83	13.15	18.95		20.90	14.64	14.77	16.42	10.30	10.48	14.25	15.65
27	17.77	13.16	18.84		20.62	14.55	15.05	16.34	10.53	9.63	14.95	15.05
28	17.75	13.22	18.79		20.43	14.55	15.21	16.24	10.33	9.52	15.20	14.25
29	17.73	-----	18.70		20.25	14.54	15.24	16.05	10.50	9.54	15.30	13.29
30	17.70	-----	18.55		20.10	14.28	15.41	15.94	10.60	10.10	15.70	12.62
31	17.58	-----	18.50	-----	19.96	-----	15.59	15.74	-----	9.85	-----	12.41

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	17.19	14.47	17.02	19.34	20.74	15.87	13.95	16.53	11.58	12.13	11.01	15.64
MAX	18.19	17.48	18.95	21.09	21.15	19.85	15.59	17.20	15.35	14.43	15.70	16.80
MIN	16.03	12.17	13.37	18.36	19.96	14.28	12.93	15.74	10.02	9.52	7.83	12.41
DAYS	31	28	31	15	27	26	31	31	25	31	21	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 328

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 15.41.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 21.21 AT 10:30 A.M. ON MAY 19.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 7.83 ON NOV 16.

## DAILY STAGE FOR 1993

## BLIND TENSAS CUT BELOW UPPER GRAND RIVER (LA.)

LOCATION. LAT. 30-14-26, LONG. 91-33-54. ON RIGHT BANK, ABOUT 300 FEET BELOW JUNCTION WITH UPPER GRAND RIVER, 68.4 MILES (1963 SURVEY) FROM HEAD OF ATCHAFALAYA RIVER VIA ATCHAFALAYA BASIN MAIN CHANNEL. (STA. 0331512D.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. STAGE, DEC. 9, 1958 TO JUNE 30, 1970 AND OCT. 2, 1974 TO DATE. PRIOR TO NOV. 1964, GAGE WAS ON LEFT BANK. DISCHARGE, 1932 TO 1942, AND INTERMITTENTLY, 1944 TO 1950, 1955 TO 1961, AND 1968 TO 1979.

EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 23.80 FEET ON APR. 8, 1975. LOWEST, (FROM INCOMPLETE RECORD) 0.97 FOOT ON JUNE 24, 1964.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1981 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	14.50	15.10	11.65	15.83	17.76	16.90	12.30	13.40	13.33	9.74	8.52	13.57
2	14.50	14.97	12.12	15.78	17.85	16.65	12.12	13.46	13.14	10.00	8.35	13.56
3	14.50	14.95	12.76	15.84	17.90	16.39	11.91	13.44	12.92	10.23	8.21	13.41
4	14.47	14.85	13.20	16.05	17.63	16.08	11.84	13.65	12.46	10.35	8.00	13.20
5	14.34	14.77	13.41	16.04	17.64	15.67	11.69	13.74	12.13	10.66	7.75	13.05
6	14.08	14.65	13.55	16.00	17.59		11.38	13.85	11.72	11.19	7.43	13.10
7	13.87	14.49	13.69	16.12	17.64		11.34	13.99	11.40	11.50	7.02	13.13
8	13.97	14.34	13.77	16.55	17.62		11.45	14.17	10.91	11.60	6.80	13.02
9	14.00	14.11	13.85	16.70	17.56		11.28	14.30	10.26	11.85	6.65	13.13
10	14.07	13.82	13.87	16.89	17.53		11.20	14.34	9.94	12.12	6.47	13.40
11	14.07	13.55	13.82	16.96	17.45		11.18	14.46	9.85	12.19	6.39	13.55
12	14.22	13.25	13.84	17.05	17.44		11.22	14.50	9.70	12.29	6.42	13.58
13	14.50	12.67	14.08	17.16	17.47		11.25	14.51	9.64	12.33	6.54	13.65
14	14.68	12.20	14.20	17.35	17.45		11.41	14.60	9.60	12.35	6.55	13.95
15	14.82	11.74	14.24	17.55	17.50		11.59	14.65	9.40	12.21	6.92	14.05
16	14.86	11.45	14.45	17.58	17.55		11.76	14.62	9.20	11.92	7.08	14.21
17	14.93	11.29	14.77	17.55	17.59		11.79	14.62	9.04	11.75	7.56	14.33
18	14.94	11.26	14.98	17.60	17.75		11.91	14.55	9.15	11.57	7.65	14.39
19	14.95	11.05	15.15	17.65	17.80		11.98	14.50	9.10	11.14	8.06	14.40
20	15.28	10.92	15.35	17.70	17.75		12.04	14.45	9.12	10.54	8.32	14.39
21	15.63	11.15	15.46	17.76	17.67		12.21	14.43	9.02	10.06	8.35	14.42
22	15.63	11.31	15.59	17.79	17.73		12.31	14.35	8.97	9.53	9.28	14.43
23	15.57	11.27	15.83	17.83	17.70		12.45	14.32	8.96	9.25	10.23	14.42
24	15.56	11.27	16.00	17.87	17.72		12.55	14.20	8.91	9.38	11.15	14.20
25	15.50	11.34	16.02	17.90	17.62		12.58	14.16	8.95	9.53	11.75	14.00
26	15.37	11.55	16.08	17.92	17.60		12.64	14.07	9.08	9.40	12.03	13.64
27	15.34	11.53	16.03	17.93	17.45		12.84	14.02	9.27	8.75	12.55	13.20
28	15.30	11.55	16.00	17.89	17.33 F	12.63	12.95	13.96	9.08	8.62	12.83	12.60
29	15.26	-----	15.95	17.70	17.20	12.60	12.99	13.83	9.22	8.64	12.96	11.89
30	15.23	-----	15.88	17.73	17.10	12.41	13.14	13.74	9.30	9.10	13.28	11.33
31	15.18	-----	15.79	-----	16.96	-----	13.25	13.59	-----	8.85	-----	11.11

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	14.81	12.73	14.56	17.14	17.57	14.92	12.02	14.14	10.09	10.60	8.70	13.49
MAX	15.63	15.10	16.08	17.93	17.90	16.90	13.25	14.65	13.33	12.35	13.28	14.43
MIN	13.87	10.92	11.65	15.78	16.96	12.41	11.18	13.40	8.91	8.62	6.39	11.11
DAYS	31	28	31	30	31	8	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 343

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 13.31.

HIGHEST STAGE WAS 17.98 AT 4:00 P.M. ON APR 24.

LOWEST STAGE WAS 6.24 ON NOV 12.

## DAILY STAGE FOR 1993

## CHICOT PASS AT WEST FORK CHICOT PASS (LA.)

LOCATION. LAT. 30-03-39, LONG. 91-29-08. TOWER ON RIGHT BANK 83.0 MILES (1963 SURVEY) FROM HEAD OF ATCHAFALAYA RIVER VIA ATCHAFALAYA BASIN MAIN CHANNEL. (STA. 0346509.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JAN. 10, 1959 TO JUNE 30, 1973 AND JULY 11, 1974 TO DATE.

EXTREMES. HIGHEST, 20.70 FEET ON MAY 26, 1973. LOWEST, 1.73 FEET ON OCT. 18, 1967.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1981 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	13.27	13.92	11.22	14.57	16.14	15.54	11.82 E	13.00		9.79	8.82	12.70
2	13.30	13.82	11.59	14.52	16.22	15.37	11.63 E	13.07		10.00	8.67	12.73
3	13.34	13.81	12.05	14.55	16.23	15.19	11.45 E	13.14		10.15	8.56	12.67
4	13.35	13.75	12.38	14.75	16.10	14.94	11.40 E	13.26		10.25	8.40	12.50
5	13.28	13.71	12.55	14.74	16.07	14.58	11.30 E	13.36		10.40	8.20	12.37
6	13.10	13.60	12.64	14.70	16.03	14.27	11.08 E	13.55			7.89	12.40
7	12.95	13.47	12.77	14.79	16.05	14.04	11.01 E	13.64			7.50	12.43
8	13.05	13.34	12.83	15.12	16.05	13.73	11.08				7.37	12.35
9	13.08	13.17	12.90	15.25	16.02	13.36	10.95				7.25	12.45
10	13.16	12.96	12.91	15.36	16.00	12.98	10.92				7.06	12.66
11	13.13	12.78	12.90	15.44	15.94	12.74	10.90				7.00	12.76
12	13.22	12.55	12.92	15.50	15.90	12.53	10.92				7.05	12.78
13	13.40	12.10	13.05	15.58	15.92	12.25	10.96			F 11.77	7.16	12.86
14	13.53	11.72	13.14	15.70	15.91	12.03	11.09		F 9.68	11.85	7.21	13.10
15	13.64	11.35	13.18	15.92	15.93	11.88	11.21		9.61	11.73	7.50	13.14
16	13.71	11.17	13.38	15.92	15.97	11.78	11.34		9.40	11.53	7.62	13.26
17	13.77	10.95	13.61	15.90	15.98	11.72	11.36 F	13.66	9.27	11.40	7.98	13.35
18	13.78	10.88	13.75	15.95	16.08	11.78	11.45	13.65	9.36	11.28	7.97	13.40
19	13.80	10.73	13.89	15.96	16.11	11.91	11.50	13.61	9.34	10.95	8.34	13.41
20	14.05	10.64	14.13	16.01	16.12	11.94	11.55	13.59	9.35	10.50	8.50	13.40
21	14.35	10.75	14.22	16.06	16.08	12.00	11.65	13.60	9.29	10.14	8.53	13.43
22	14.34	10.90	14.33	16.06	16.10	12.06	11.81	13.54	9.22	9.64	9.28	13.43
23	14.30	10.89	14.51	16.10	16.10	12.21	11.90	13.50	9.20	9.39	10.06	13.44
24	14.30	10.89	14.63	16.15	16.12	12.31	12.06	13.41	9.16	9.49	10.70	13.28
25	14.21	10.99	14.68	16.17	16.07	12.18	12.10	13.36	9.16	9.62	11.16	13.12
26	14.13	11.16	14.72	16.17	16.06	12.11	12.23	13.30	9.30	9.53	11.38	12.84
27	14.09	11.10	14.68	16.16	15.98	12.07	12.39	13.26	9.39	8.99	11.78	12.51
28	14.07	11.15	14.67	16.16	15.89	12.07	12.49	13.22	9.24	8.85	12.05	12.05
29	14.05	-----	14.66	16.10	15.80	12.04 E	12.60	13.11	9.36	8.90	12.17	11.50
30	14.02	-----	14.63	16.12	15.71	11.89 E	12.73	13.03	9.45	9.29	12.44	11.08
31	13.98	-----	14.57	-----	15.61	----- E	12.81	12.91	-----	9.04	-----	10.89

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	13.67	12.08	13.49	15.58	16.01	12.85	11.60	13.35	9.34	10.19	8.85	12.72
MAX	14.35	13.92	14.72	16.17	16.23	15.54	12.81	13.66	9.68	11.85	12.44	13.44
MIN	12.95	10.64	11.22	14.52	15.61	11.72	10.90	12.91	9.16	8.85	7.00	10.89
DAYS	31	28	31	30	31	30	31	22	17	24	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 336

E=ESTIMATED F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 12.64.

HIGHEST STAGE WAS 16.32 AT 3:45 P.M. ON APR 24.

LOWEST STAGE WAS 6.85 ON NOV 11.

## DAILY STAGE FOR 1993

## CHICOT PASS NEAR MYETTE POINT (LA.)

LOCATION. LAT. 29-53-33, LONG. 91-26-44. ON RIGHT BANK, 3/4 MILE ABOVE MYETTE POINT, 95.4 MILES (1963 SURVEY) FROM HEAD OF ATCHAFALAYA RIVER VIA ATCHAFALAYA BASIN MAIN CHANNEL. (STA. 0354010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. STAGE, MAR. 27, 1963 TO DATE. DISCHARGE, INTERMITTENTLY, 1935 TO 1950, 1955 TO 1961, AND 1968 TO 1979.

EXTREMES. HIGHEST, 17.80 FEET ON MAY 24, 1973. LOWEST, (FROM INCOMPLETE RECORD) MINUS 0.06 FOOT (DATE UNDETERMINED) IN 1976.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1981 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	10.48	11.17	8.70	11.60	12.96	12.40	9.35	9.95	10.15	7.55	6.85 F	10.05
2	10.54	11.07	8.99	11.53	13.04	12.35	9.24	10.00	10.00	7.75	6.73	10.10
3	10.60	10.92	9.40	11.57	13.05	12.21	9.10	10.02	9.86	7.85	6.67	10.10
4	10.65	10.96	9.70	11.78	12.94	12.04	9.05	10.10 F	9.66	7.94	6.58	10.00
5	10.57	10.98	9.85	11.73	12.90	11.80	8.95	10.20		8.12	6.44	9.88
6	10.43	10.85	9.98	11.70	12.86	11.55	8.80	10.30		8.45	6.17	9.88
7	10.35	10.75	10.09	11.76	12.87	11.34	8.70	10.38		8.65	5.80	9.90
8	10.40	10.66	10.18	12.06	12.86	11.09	8.70	10.50		8.82	5.76	9.85
9	10.44	10.53	10.24	12.17	12.85	10.80	8.63	10.56		9.00	5.60	9.90
10	10.53	10.36	10.25	12.25	12.84	10.47	8.60	10.63		9.02	5.49	10.06
11	10.46	10.23	10.23	12.31	12.80	10.24	8.58	10.70		9.10	5.47	10.17
12	10.55	10.03	10.24	12.35	12.76	10.05	8.56	10.75		9.19	5.49	10.20
13	10.64	9.66	10.32	12.40	12.76	9.80	8.61	10.75		9.28	5.63	10.30
14	10.75	9.33	10.40	12.50	12.75	9.58	8.69	10.82		9.35	5.66	10.47
15	10.86	9.01	10.50	12.71	12.78	9.40	8.76	10.85		9.30	5.82	10.49
16	10.92	8.85	10.66	12.72	12.81	9.32	8.89	10.84		9.15	5.93	10.62
17	11.04	8.61	10.80	12.72	12.84	9.27	8.91	10.85		9.08	6.20	10.67
18	10.94	8.52	10.95	12.74	12.90	9.31	8.99	10.85		8.99	6.20	10.73
19	10.93	8.39	11.17	12.76	12.94	9.42	9.03	10.82		8.77	6.42	10.75
20	11.23	8.34	11.30	12.80	12.92	9.45	9.06	10.80		8.44	6.56	10.77
21	11.52	8.40	11.36	12.78	12.89	9.50	9.12	10.84		8.15	6.55	10.75
22	11.54	8.50	11.46	12.83	12.90	9.51	9.21	10.80 F	7.24	7.67	7.02	10.75
23	11.50	8.48	11.57	12.86	12.94	9.59	9.30	10.75	7.21	7.41		10.75
24	11.48	8.47	11.69	12.93	12.95	9.69	9.36	10.69	7.18	7.46		10.65
25	11.40	8.55	11.77	12.95	12.90	9.65	9.40	10.62	7.17	7.56		10.55
26	11.31	8.63	11.75	13.07	12.85	9.57	9.45	10.60	7.28	7.55		10.34
27	11.29	8.60	11.78	13.04	12.82	9.53	9.56	10.54	7.30	7.14		10.09
28	11.30	8.64	11.78	13.03	12.75	9.50	9.65	10.51	7.16	6.94		9.74
29	11.25	-----	11.75	13.09	12.70	9.50	9.70	10.45	7.25	6.96		9.30
30	11.22	-----	11.74	13.09	12.62	9.41	9.79	10.36	7.34	7.35		8.85
31	11.21	-----	11.70	-----	12.55	-----	9.85	10.28	-----	7.03	-----	8.66

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	10.91	9.55	10.72	12.46	12.85	10.24	9.08	10.55	8.06	8.23	6.14	10.17
MAX	11.54	11.17	11.78	13.09	13.05	12.40	9.85	10.85	10.15	9.35	7.02	10.77
MIN	10.35	8.34	8.70	11.53	12.55	9.27	8.56	9.95	7.16	6.94	5.47	8.66
DAYS	31	28	31	30	31	30	31	31	13	31	22	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 340

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 10.11.

HIGHEST STAGE WAS 13.12 AT 6:00 P.M. ON MAY 1.

LOWEST STAGE WAS 5.30 ON NOV 11.

## DAILY STAGE FOR 1993

## GRAND LAKE AT CHARENTON FLOODGATE (LA.)

LOCATION. LAT. 29-54-08, LONG. 91-31-12. ON NORTHEAST WALL IN FOREBAY OF THE STRUCTURE.  
(STA. 0355013.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. FEB. 6, 1974 TO DATE.

EXTREMES. HIGHEST, 16.20 FEET ON APR. 22 AND 23, 1975. LOWEST, 0.80 FOOT ON OCT. 10, 1976.

## DAILY SEVEN A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	9.70	10.40	7.80	10.90	12.40	11.90	8.70	9.00	9.50	6.70	6.50	9.00
2	9.70	10.40	7.90	10.80	12.50	11.80	8.60	9.10	9.30	6.80	6.40	9.10
3	9.70	10.40	8.50	10.80	12.50	11.70	8.40	9.10	9.00	6.90	6.20	9.10
4	9.80	10.40	8.70	10.80	12.50	11.60	8.20	9.20	8.80	7.00	6.10	9.10
5	9.80	10.30	9.00	10.80	12.40	11.50	8.20	9.30	8.60	7.10	6.00	9.00
6	9.80	10.20	9.20	11.00	12.40	11.20	8.10	9.40	8.50	7.20	6.00	9.00
7	9.80	10.10	9.30	11.10	12.30	11.00	8.00	9.50	8.00	7.60	5.80	9.00
8	9.80	10.00	9.40	11.10	12.30	10.60	7.80	9.50	7.90	7.80	5.70	9.00
9	9.80	9.80	9.40	11.50	12.30	10.20	7.70	9.70	7.80	7.90	5.50	9.00
10	9.80	9.70	9.50	11.60	12.30	9.80	7.70	9.80	7.70	8.00	5.00	9.10
11	9.80	9.60	9.60	11.70	12.30	9.70	7.80	9.80	7.30	8.10	4.90	9.40
12	9.80	9.50	9.60	11.70	12.20	9.60	7.80	9.90	7.00	8.20	4.90	9.50
13	9.80	9.20	9.60	11.70	12.20	9.30	7.80	9.90	6.80	8.30	4.80	9.50
14	9.90	8.90	9.70	11.80	12.20	8.90	7.80	9.90	6.80	8.50	4.90	9.60
15	9.90	8.60	9.80	12.10	12.20	8.70	7.80	9.90	6.70	8.60	4.90	9.70
16	10.00	8.40	9.85	12.10	12.30	8.60	7.90	10.00	6.70	8.30	5.00	9.70
17	10.10	8.00	10.00	12.10	12.30	8.60	7.90	10.00	6.70	8.20	5.60	9.80
18	10.20	7.80	10.10	12.10	12.40	8.50	7.90	10.00	6.60	8.10	5.70	9.90
19	10.20	7.60	10.20	12.10	12.40	8.60	8.00	10.00	6.60	8.00	5.70	10.00
20	10.30	7.60	10.40	12.20	12.40	8.70	8.00	10.00	6.60	7.70	5.80	10.00
21	10.70	7.60	10.60	12.30	12.40	8.80	8.10	10.00	6.60	7.70	5.80	9.90
22	10.80	7.60	10.70	12.30	12.40	8.80	8.20	10.00	6.60	7.70	6.00	9.90
23	10.80	7.60	10.80	12.40	12.40	8.80	8.40	9.90	6.50	7.20	6.60	9.90
24	10.80	7.60	10.90	12.40	12.40	8.90	8.50	9.90	6.50	6.80	7.00	9.90
25	10.70	7.70	11.00	12.45	12.40	8.90	8.50	9.80	6.50	6.70	7.60	9.90
26	10.60	7.80	11.00	12.45	12.40	8.90	8.60	9.80	6.50	6.70	7.80	9.70
27	10.50	7.90	11.00	12.50	12.30	8.80	8.70	9.70	6.50	6.80	8.00	9.40
28	10.50	8.00	11.00	12.50	12.30	8.80	8.80	9.70	6.60	6.80	8.10	9.00
29	10.50	-----	11.00	12.50	12.30	8.80	8.90	9.60	6.60	7.30	8.50	8.70
30	10.50	-----	11.00	12.40	12.20	8.70	8.90	9.60	6.60	7.50	8.70	8.40
31	10.40	-----	11.00	-----	12.00	-----	8.90	9.60	-----	6.90	-----	8.10

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	10.15	8.88	9.92	11.81	12.33	9.62	8.21	9.70	7.28	7.52	6.18	9.36
MAX	10.80	10.40	11.00	12.50	12.50	11.90	8.90	10.00	9.50	8.60	8.70	10.00
MIN	9.70	7.60	7.80	10.80	12.00	8.50	7.70	9.00	6.50	6.70	4.80	8.10
DAYS	31	28	31	30	31	30	31	30	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364

THE MEAN STAGE FOR THE YEAR WAS 9.26.

HIGHEST STAGE WAS 12.50 ON APR 27 AND LATER DATE(S).

LOWEST STAGE WAS 4.80 ON NOV 13.



DAILY STAGE FOR 1993  
GRAND LAKE AT CHARENTON, LA.

LOCATION. LAT. 29-54-20, LONG. 91-31-26. ON THE NORTHEAST WALL OF CHARENTON FLOODGATE.  
(STA. 0355513.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO 1980 GAGE ZERO WAS MINUS 0.94 FOOT NGVD.

RECORDS AVAILABLE. STAGE, FEB. 18, 1932 TO DATE.

EXTREMES. HIGHEST, 17.99 FEET ON MAY 24 AND 25, 1973. LOWEST, MINUS 1.84 FEET ON JAN. 19, 1940.  
EXTREMES HAVE BEEN ADJUSTED TO NGVD.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		10.32	7.82	10.83	12.35	11.76	8.45	8.96		6.50	6.01	8.99
2		10.26	7.97	10.79	12.45	11.64	8.34	9.02 F	9.17	6.70	5.90	9.14
3		10.24	8.41	10.79	12.43	11.49	8.20	9.09	9.05	6.79	5.81	9.16
4		10.22	8.68	11.06	12.35	11.31	8.13	9.15	8.84	6.88	5.71	9.11
5	F 9.70	10.22	8.87	11.00	12.29	11.06	8.09	9.24	8.60	7.10	5.56	9.04
6	9.62	10.15	9.01	10.95	12.26	10.79	7.94	9.34	8.32	7.39	5.35	9.02
7	9.55	10.02	9.14	10.99	12.25	10.55	7.80	9.41	8.06	7.62	5.02	9.04
8	9.58	9.89	9.24	11.34	12.25	10.29	7.76	9.55	7.80	7.81	4.91	9.01
9	9.57	9.75	9.31	11.45	12.24	10.05	7.74	9.61	7.43	7.97	4.82	9.04
10	9.92	9.60	9.36	11.52	12.21	9.73	7.68	9.69	7.10	8.06	4.65	9.16
11	10.34	9.48	9.39	11.59	12.17	9.46	7.67	9.77	6.87	8.14	4.58	9.30
12	10.33	9.25	9.43	11.64	12.11	9.25	7.64	9.83	6.79	8.21	4.60	9.32
13	10.22	8.96	9.39	11.69	12.10	9.01	7.65	9.84	6.74	8.32	4.69	9.42
14	10.12	8.63	9.50	11.80	12.10	8.79	7.70	9.92	6.72	8.41	4.74	9.56
15	10.11	8.32	9.62	12.05	12.11	8.60	7.76	9.96	6.70	8.40	4.85	9.60
16	10.15	8.14	9.76	12.06	12.15	8.46	7.89	10.00	6.51	8.29	5.03	9.72
17	10.19	7.89	9.98	12.06	12.17	8.40	7.93	9.99	6.36	8.21	5.25	9.80
18	10.21	7.75	10.10	12.08	12.25	8.43	7.97	9.99	6.38	8.14	5.29	9.88
19	10.23	7.62	10.23	12.10	12.32	8.55	8.03	9.97	6.37	7.95	5.43	9.94
20	10.32	7.52	10.38	12.14	12.34	8.59	8.07	9.95	6.37	7.65	5.61	9.95
21	10.68	7.50	10.47	12.20	12.30	8.62	8.12	9.99	6.36	7.39	5.62	9.95
22	10.70	7.60	10.56	12.20	12.31	8.64	8.21	9.96	6.30	6.93	5.96	9.95
23	10.66	7.62	10.69	12.25	12.33	8.66	8.30	9.91	6.25	6.64	6.49	9.96
24	10.67	7.60	10.80	12.31	12.35	8.79	8.36	9.85	6.21	6.61	7.08	9.90
25	10.62	7.64	10.89	12.34	12.32	8.79	8.41	9.79	6.20	6.65	7.54	9.77
26	10.54	7.74	10.95	12.36	12.26	8.72	8.46	9.76	6.26	6.65	7.77	9.61
27	10.48	7.73	10.95	12.35	12.21	8.67	8.55	9.72	6.34	6.34	8.06	9.39
28	10.47	7.77	10.95	12.35	12.13	8.64	8.65	9.69	6.25	6.11	8.34	9.09
29	10.44	-----	10.94	12.31	12.05	8.62	8.70		6.28	6.10	8.54	8.69
30	10.42	-----	10.92	12.30	11.95	8.55	8.79		6.35	6.46	8.75	8.24
31	10.39	-----	10.87	-----	11.86	-----	8.86		-----	6.17	-----	7.98

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	10.23	8.77	9.83	11.76	12.22	9.43	8.12	9.68	7.00	7.31	5.93	9.35
MAX	10.70	10.32	10.95	12.36	12.45	11.76	8.86	10.00	9.17	8.41	8.75	9.96
MIN	9.55	7.50	7.82	10.79	11.86	8.40	7.64	8.96	6.20	6.10	4.58	7.98
DAYS	27	28	31	30	31	30	31	28	29	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 357

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 9.13.

HIGHEST STAGE WAS 12.48 AT 7:00 P.M. ON MAY 1.

LOWEST STAGE WAS 4.53 ON NOV 11.

## DAILY STAGE FOR 1993

## KEELBOAT PASS BELOW LAKE CHICOT (LA.)

LOCATION. LAT. 30-02-19, LONG. 91-27-22. ON RIGHT BANK, ABOUT ONE MILE ABOVE MOUTH 84 MILES (1963 SURVEY) FROM HEAD OF ATCHAFALAYA RIVER VIA ATCHAFALAYA BASIN MAIN CHANNEL. (STA. 0361509.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. GAGE ZERO PRIOR TO 1971 WAS MINUS 0.13 FOOT, NGVD.

RECORDS AVAILABLE. STAGE, MAY 1928 TO DEC. 1965, AND JAN. 1971 TO DATE. DISCHARGE, INTERMITTENTLY, 1944 TO 1950, AND 1955 TO 1961.

EXTREMES. (PRESENT DATUM) HIGHEST, (FROM INCOMPLETE RECORD) 18.23 FEET ON MAY 24, 1973. LOWEST, 0.23 FOOT ON DEC. 24, 1989.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1966 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	6.25	7.40	5.58	7.60	9.06	8.64	6.02	6.00	6.74	4.58	4.97	5.72
2	6.34	7.37	5.66	7.55	9.25	8.53	5.95	6.06	6.66	4.63	4.85	5.91
3	6.45	7.34	5.77	7.55	9.29	8.46	5.86	6.12	6.59	4.68	4.72	6.08
4	6.56	7.33	5.85	7.76	9.28	8.36	5.77	6.16	6.49	4.70	4.64	6.29
5	6.60	7.31	5.91	7.79	9.23	8.20	5.74	6.24	6.37	4.76	4.56	6.33
6	6.66	7.30	6.01	7.75	9.18	8.07	5.66	6.34	6.25	4.84	4.42	6.33
7	6.70	7.26	6.09	7.74	9.13	7.95	5.62	6.39	6.14	4.94	4.37	6.35
8	6.80	7.20	6.17	7.97	9.09	7.78	5.52	6.49	5.99	5.09	4.24	6.35
9	6.80	7.16	6.25	8.14	9.08	7.58	5.47	6.56	5.84	5.23	4.17	6.40
10	6.86	7.12	6.32	8.14	9.06	7.45	5.42	6.62	5.68	5.36	4.09	6.41
11	6.93	7.12	6.36	8.14	9.03	7.24	5.44	6.66	5.51	5.45	3.97	6.51
12	6.96	6.93	6.40	8.15	8.98	7.05	5.36	6.71	5.35	5.54	3.93	6.55
13	6.93	6.87	6.24	8.16	8.93	6.89	5.31	6.76	5.25	5.64	3.90	6.64
14	6.93	6.73	6.46	8.21	8.88	6.72	5.31	6.80	5.22	5.75	3.92	6.74
15	6.96	6.59	6.53	8.54	8.84	6.37	5.36	6.84	5.20	5.81	3.89	6.76
16	7.09	6.47	6.60	8.57	8.81	6.26	5.41	6.86	5.14	5.86	3.99	6.80
17	7.12	6.31	6.69	8.60	8.80	6.14	5.42	6.91	5.04	5.89	3.99	6.83
18	7.16	6.12	6.77	8.63	8.80	6.10	5.45	6.92	4.94	5.89	4.09	6.86
19	7.18	6.01	6.85	8.66	8.84	6.11	5.46	6.93	4.87	5.88	4.07	6.93
20	7.22	5.87	6.96	8.70	8.87	6.10	5.48	6.93	4.86	5.84	4.04	6.99
21	7.46	5.78	7.09	8.70	8.88	6.14	5.49	7.04	4.82	5.80	4.08	7.00
22	7.54	5.69	7.16	8.72	8.89	6.14	5.56	7.06	4.79	5.65	4.09	7.01
23	7.55	5.65	7.23	8.76	8.93	6.14	5.61	7.04	4.74	5.48	4.15	7.04
24	7.53	5.61	7.29	8.83	9.00	6.21	5.64	6.99	4.69	5.33	4.27	7.04
25	7.54	5.58	7.37	8.89	9.04	6.19	5.66	6.94	4.66	5.21	4.45	7.02
26	7.49	5.60	7.44	8.92	8.99	6.16	5.70	6.89	4.64	5.13	4.61	6.98
27	7.49	5.59	7.50	8.94	9.00	6.15	5.74	6.89	4.63	5.04	4.82	6.90
28	7.47	5.57	7.54	8.96	8.98	6.13	5.79	6.90	4.64	4.94	5.06	6.80
29	7.46	-----	7.56	9.00	8.92	6.10	5.85	6.86	4.59	4.91	5.28	6.64
30	7.45	-----	7.60	9.02	8.84	6.07	5.92	6.79	4.56	5.16	5.50	6.47
31	7.43	-----	7.63	-----	8.72	-----	5.95	6.77	-----	5.06	-----	6.28

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	7.06	6.53	6.67	8.37	8.99	6.91	5.61	6.69	5.36	5.29	4.37	6.61
MAX	7.55	7.40	7.63	9.02	9.29	8.64	6.02	7.06	6.74	5.89	5.50	7.04
MIN	6.25	5.57	5.58	7.55	8.72	6.07	5.31	6.00	4.56	4.58	3.89	5.72
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 6.54.  
 HIGHEST STAGE WAS 9.29 AT 7:00 A.M. ON MAY 3.  
 LOWEST STAGE WAS 3.87 ON NOV 15.

## DAILY STAGE FOR 1993

## SIX MILE LAKE ABOVE CONTROL STRUCTURE (LA.)

LOCATION. LAT. 29-48-35, LONG. 91-24-43. AT SIX MILE LAKE BOAT LAUNCH, ABOUT 4500 FEET NORTH OF WAX LAKE OUTLET CONTROL STRUCTURE. OPPOSITE MILE 103 (1963 SURVEY) FROM HEAD OF ATCHAFALAYA RIVER VIA ATCHAFALAYA BASIN MAIN CHANNEL. (STA. 0363010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. OCT. 6, 1988 TO DATE.

EXTREMES. HIGHEST, 10.83 FEET ON MAY 6, 1991. LOWEST, 0.85 FOOT ON DEC. 24, 1989.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1977 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	8.84	9.13	6.88	9.57		10.24		7.38	8.11	5.93		7.90
2	8.87	9.08	7.10	9.52		10.16		7.36	7.91	6.03		7.99
3	8.91	9.07	7.51	9.53		10.06		7.35	7.79	6.15		8.03
4		9.00	7.75	9.72		9.92		7.35	7.64	6.15	4.85	7.98
5		8.99	7.90	9.71		9.71		7.32	7.47	6.36	4.70	7.88
6		8.90	8.01	9.65		9.48			7.32	6.67	4.57	7.86
7		8.81	8.11	9.69		9.31			7.14	6.87	4.46	7.90
8		8.73	8.20	9.98		9.09			6.98	6.98	4.31	7.86
9		8.60	8.26	10.09		8.82			6.80	7.12	4.19	7.92
10		8.46	8.27	10.11		8.66			6.65	7.31	4.07	8.10
11		8.33	8.26	10.17		8.63			6.49	7.58	4.00	8.16
12		8.15	8.30	10.22		8.63			6.33	7.34	3.95	8.21
13	9.00	7.80	8.37	10.26	10.50				6.17	7.36	4.06	8.27
14	9.05	7.50	8.43	10.35	10.47				6.02	7.43	4.17	8.37
15	9.19	7.20	8.53	10.57	10.48				5.90	7.37	4.32	8.44
16		7.10	8.70	10.55					5.64	7.26	4.47	8.50
17		6.84	8.85	10.55					5.55	7.21	4.61	8.54
18		6.70	8.95	10.57				8.68	5.58	7.14	4.75	8.60
19	9.34	6.56	9.10	10.58				8.65	5.62	6.98	4.85	8.65
20	9.43	6.51	9.21	10.62	10.65			8.63	5.61	6.68	4.92	8.69
21	9.67	6.53	9.26	10.63	10.64			8.65	5.60	6.45	5.01	8.74
22		6.61	9.40	10.64	10.65			8.63	5.57	6.68	5.45	8.86
23		6.60	9.50	10.66	10.67		7.30	8.58	5.54	5.99	5.83	8.97
24		6.60	9.59	10.73	10.72		7.34	8.52	5.48	5.84	6.28	8.55
25		6.64	9.65	10.76	10.65		7.44	8.48	5.47	5.87	6.72	8.52
26		6.75	9.68	10.76	10.61		7.48	8.47	5.57	5.83	7.01	8.65
27	9.25	6.72	9.69	10.75	10.57		7.55	8.45	5.58	5.64	7.27	7.78
28	9.26		9.68	10.76	10.53		7.63	8.39	5.52		7.43	7.46
29	9.22	-----	9.66	10.72	10.47		7.66	8.30	5.77		7.59	7.09
30	9.19	-----	9.65	10.72	10.41		7.86	8.27	5.79		7.74	7.12
31	9.16	-----	9.61	-----	10.35	-----	7.92	8.25	-----		-----	7.02

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	9.17	7.70	8.71	10.30	10.56	9.39	7.58	8.50	6.29	6.68	5.24	8.15
MAX	9.67	9.13	9.69	10.76	10.72	10.24	7.92	8.68	8.11	7.58	7.74	8.97
MIN	8.84	6.51	6.88	9.52	10.35	8.63	7.30	8.25	5.47	5.64	3.95	7.02
DAYS	14	27	31	30	15	12	9	14	30	27	27	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 267

THE MEAN STAGE FOR THE YEAR WAS 8.00.

HIGHEST STAGE WAS 10.76 AT 8:00 A.M. ON APR 25 AND LATER DATE(S).

LOWEST STAGE WAS 3.71 ON NOV 13.

## DAILY STAGE FOR 1993

## SIX MILE LAKE NEAR VERDUNVILLE, LA.

LOCATION. LAT. 29-45-49, LONG. 91-23-35. ON WEST BANK IN VERDUNVILLE CANAL, OPPOSITE MILE 105.2 (1963 SURVEY), FROM HEAD OF ATCHAFALAYA RIVER VIA ATCHAFALAYA BASIN MAIN CHANNEL. (STA. 0364510.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. STAGE, JULY 6, 1933 TO DATE. GAGE HAS BEEN LOCATED IN CYPRESS PASS AT CYPRESS ISLAND DURING PERIOD OF RECORD. DISCHARGE, INTERMITTENTLY, 1957 TO DATE.

EXTREMES. HIGHEST, 15.22 FEET (FROM INCOMPLETE RECORD) ON MAY 24 AND 25, 1973. LOWEST, MINUS 2.23 FEET ON OCT. 18, 1948.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	5.80		3.81	6.09	7.80			4.66	4.95	3.62	2.93	4.99
2	5.78 F	5.15 F	4.04	5.97	7.94			4.81	4.96	3.73	2.85	5.06
3	5.93		4.35	6.04	8.02			4.83	4.94	3.56	2.93	5.19
4	6.10		4.53	6.37	7.82			4.85	4.62	3.64	3.14	5.17
5	6.13		4.55	6.44	7.81			4.89	4.50	3.78	3.05	4.66
6	F 5.92		4.64	6.34	7.77		F 4.20	4.98	4.39	4.16	2.25	4.80
7	6.02		4.77	6.44	7.73		4.05	5.11	4.26	4.30	1.83	4.65
8	6.16		4.87	6.66	7.73		3.87	5.12	4.20	4.57	2.43	4.68
9	6.20		4.97	6.83	7.74		3.94	5.15	4.00	4.65	2.27	4.74
10	6.30		5.05	6.76	7.74		3.97	5.18	3.78	4.20	2.05	4.89
11	6.18		4.92	6.86	7.63		3.94	5.30	3.56	4.41	2.14	4.99
12	6.29		4.90	6.94	7.52		3.84	5.39	3.69	4.45	2.34	4.94
13	6.09		4.63	6.96	7.51		3.99	5.43	3.94	4.65	2.53	5.41
14	6.07		4.69	7.16	7.44		4.01	5.45	4.24	4.66	2.80	5.34
15	6.25		4.88	7.63	7.48		4.05	5.48	3.73	4.59	2.85	5.12
16	6.28		5.29	7.36	7.53		4.16	5.42	3.45	4.60	3.20	5.35
17	6.35		5.32	7.39	7.55		4.16	5.38	3.39	4.67	3.05	5.36
18	6.44		5.38	7.49	7.67		4.23	5.42	3.47	4.75	2.52	5.43
19	6.43		5.60	7.49	7.74		4.18	5.54	3.76	4.69	2.93	5.38
20			5.71	7.58	7.62		4.17	5.49	3.84	4.60	2.37	5.56
21			5.72	7.53	7.74		4.11	5.53	3.79	4.17	2.46	5.26
22			5.85	7.43	7.76		4.26	5.50	3.67	3.35	2.79	5.35
23			5.89	7.55	7.84		4.25	5.43	3.60	3.39	3.09	5.30
24			6.10	7.69	7.90		4.19	5.38	3.54	3.63	3.37	5.27
25			6.22	7.71	7.86		4.22	5.32	3.60	3.60	3.65	5.21
26			6.18	7.66	7.74		4.24	5.43	3.74	3.60	3.71	4.98
27			6.16	7.61	7.70		4.44	5.49	3.19	3.08	3.77	4.88
28			6.16	7.67	7.66		4.54	5.34	2.97	2.88	4.19	4.72
29		-----	6.15	7.66 F	7.64		4.55	5.24	3.20	3.18	4.42	4.42
30		-----	6.20	7.70			4.62	5.16	3.38	3.17	4.57	3.91
31		-----	6.20	-----		-----	4.62	5.06	-----	2.60	-----	4.01

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	6.14	5.15	5.28	7.10	7.71		4.18	5.25	3.88	3.97	2.95	5.00
MAX	6.44	5.15	6.22	7.71	8.02		4.62	5.54	4.96	4.75	4.57	5.56
MIN	5.78	5.15	3.81	5.97	7.44		3.84	4.66	2.97	2.60	1.83	3.91
DAYS	19	1	31	30	29	0	26	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 289

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 5.11.

HIGHEST STAGE WAS 8.12 AT 5:00 P.M. ON MAY 24.

LOWEST STAGE WAS 1.82 ON NOV 7.

## DAILY STAGE FOR 1993

## WAX LAKE OUTLET AT CALUMET, LA.

LOCATION. LAT. 29-42-09, LONG. 91-22-07. ON WEST SIDE OF EAST CALUMET FLOODGATE, DOWNSTREAM END, ABOUT 9.6 MILES WEST OF MORGAN CITY, LA., 111.1 MILES (1963 SURVEY) FROM HEAD OF ATCHAFALAYA RIVER VIA ATCHAFALAYA BASIN MAIN CHANNEL. (STA. 0372010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

DISCHARGE RANGE. AT MILE 111.4 (1963 SURVEY), BETWEEN U.S. HIGHWAY 90 BRIDGE AND SOUTHERN PACIFIC RAILROAD BRIDGE.

RECORDS AVAILABLE. STAGE, MAY 14, 1942 TO DATE. THE LOCATION OF GAGE HAS BEEN CHANGED SEVERAL TIMES DURING PERIOD OF RECORD. DISCHARGE, 1942 TO 1946, 1949 TO 1955, AND INTERMITTENTLY, 1957 TO DATE.

EXTREMES. HIGHEST, 11.16 FEET ON MAY 27, 1973. LOWEST, MINUS 2.68 FEET ON OCT. 18, 1948.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO, MINUS 0.14 FOOT, NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3.25	4.02	2.68	4.20	5.75	5.23	3.65	3.63	3.75	2.90		3.80
2	3.20	3.95	3.10	4.10	5.92	5.35	3.57	3.80	3.84	2.93 F	2.00	3.90
3	3.35	4.04	3.06	4.18	5.98	5.38	3.34	3.82	3.85	2.73	2.25	4.10
4	3.55	4.08	3.10	4.50	5.78	5.29	3.65	3.80	3.55	2.80	2.57	4.15
5	3.55	4.23	3.06	4.63	5.85	5.08	3.57	3.83	3.45	2.85	2.55	3.50
6	3.35	4.00	3.13	4.55	5.80	4.80	3.49	3.90	3.44	3.37	1.65	3.65
7	3.38	3.92	3.28	4.70	5.76	4.78	3.27	4.00	3.40	3.49	1.40	3.45
8	3.61	3.90	3.38	4.80	5.74	4.72	3.05	3.95	3.35	3.80	1.99	3.50
9	3.65	3.95	3.53	4.95	5.75	4.52	3.17	3.93	3.34	3.85	1.76	3.54
10	3.79	3.98	3.70	4.85	5.70	4.15	3.22	3.95	3.15	3.30	1.64	3.70
11	3.70	4.07	3.55	4.92	5.59	3.87	3.20	4.04	2.89	3.55	1.68	3.73
12	3.92	3.76	3.45	4.95	5.48	3.70	3.05	4.18	3.15	3.45	1.96	3.65
13	3.50	3.22	3.08	4.90	5.46	3.64	3.23	4.20	3.44	3.60	2.14	4.30
14	3.43	3.05	3.11	5.10	5.38	3.47	3.23	4.20	3.77	3.60	2.45	4.15
15	3.64	3.02	3.30	5.58	5.43	3.38	3.25	4.20	3.00	3.45	2.49	3.80
16	3.62	3.27	3.83	5.20	5.50	3.61	3.35	4.12	2.75	3.50	2.87	4.05
17	3.70	2.64	3.68	5.25	5.54	3.77	3.35	4.05	2.70	3.61	2.40	4.03
18	3.81	2.63	3.70	5.40	5.70	3.90	3.37	4.11	2.80	3.80	2.10	4.11
19	3.80	2.63	3.93	5.40	5.75	4.10	3.33	4.20	3.16	3.80	2.45 F	4.10
20	4.00	2.88	4.02	5.50	5.57	4.37	3.33	4.15	3.25	3.95	1.65	4.20
21	4.25	3.15	4.04	5.35	5.70	4.05	3.26	4.20	3.25	3.50	1.90	4.05
22	4.18	2.92	4.18	5.30	5.75	4.00	3.40	4.23	3.26	2.60	2.05	4.12
23	4.25	2.77	4.20	5.45	5.90	3.97	3.37		3.17	2.78	2.20	3.95
24	4.37	2.96	4.28	5.70	6.06	3.98	3.30 F	4.03	3.12	3.05	2.40	4.05
25	4.19	3.45	4.43	5.65	5.87	3.73	3.30	4.00	3.15	2.89	2.60	3.70
26	4.20	2.83	4.37	5.55	5.72	3.65	3.28	4.25	3.31	2.85	2.59	3.93
27	4.07	2.80	4.40	5.48	5.66	3.60	3.49	4.35	2.47	2.39	2.53	3.80
28	4.16	2.88	4.38	5.57	5.66	3.68	3.60	4.12	2.37	2.24	2.96	3.45
29	4.06	-----	4.31	5.59	5.62	3.71	3.55	4.03	2.50	2.50	3.20	2.93
30	4.00	-----	4.40	5.64	5.57	3.75	3.65	3.95	2.67		3.33	2.73
31	3.99	-----	4.37	-----	5.45	-----	3.63	3.85	-----		-----	2.75

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	3.79	3.39	3.71	5.10	5.69	4.17	3.37	4.04	3.18	3.21	2.27	3.77
MAX	4.37	4.23	4.43	5.70	6.06	5.38	3.65	4.35	3.85	3.95	3.33	4.30
MIN	3.20	2.63	2.68	4.10	5.38	3.38	3.05	3.63	2.37	2.24	1.40	2.73
DAYS	31	28	31	30	31	30	31	30	30	29	29	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 361

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 3.82.

HIGHEST STAGE WAS 6.21 AT 3:30 P.M. ON MAY 24.

LOWEST STAGE WAS 1.33 ON NOV 7.



## DAILY STAGE FOR 1993

## LOWER ATCHAFALAYA RIVER AT BERWICK LOCK (LA.) (WEST)

LOCATION. LAT. 29-43-05, LONG. 91-13-29. ON WEST SIDE OF LOCK, 1.8 MILES NORTHWEST OF MORGAN CITY, LA. (STA. 0375010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. STAGE, DEC. 13, 1955 TO DATE.

EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 4.68 FEET ON APR. 18, 1973. LOWEST, MINUS 2.00 FEET ON JAN. 8, 1956.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.62	2.86	2.48	2.80	3.02	3.04	3.09	2.76	2.99	2.68	2.68	2.50
2	2.62	2.84	2.48	2.75	3.46	3.01	3.04	2.74	2.95	2.66	2.60	2.52
3	2.62	2.82	2.86	2.73	3.35	3.01	2.99	2.70	3.04	2.67	2.16	2.54
4	2.65	2.80	2.85	3.00	3.27	2.99	3.06	2.66	3.02	2.44	2.15	2.70
5	2.68	2.77	2.82	3.00	3.21	3.00	3.01	2.64	3.04	2.44	2.56	2.65
6	2.69	2.80	2.78	2.94	3.18	3.04	2.97	2.63	3.02	2.44	2.15	2.65
7	2.69	2.79	2.76	2.91	3.14	3.02	2.94	2.61	3.05	2.42	1.60	2.65
8	2.77	2.75	2.74	3.35	3.17	3.00	2.89	2.63	3.09	2.40	2.40	2.65
9	2.77	2.74	2.72	3.50	3.18	2.96	2.87	2.69	2.96	2.42	2.14	2.65
10	2.86	2.70	2.70	3.33	3.28	2.97	2.92	2.66	2.96	2.44	2.05	2.65
11	2.94	2.88	2.66	3.21	3.23	2.98	3.03	2.65	2.79	2.44	2.35	2.77
12	2.93	2.88	2.61	3.15	3.17	2.95	2.99	2.63	3.04	2.43	2.51	2.75
13	2.90	2.84	2.87	3.10	3.15	2.93	3.04	2.60	3.04	2.44	2.36	2.75
14	2.86	2.80	2.78	3.09	3.09	2.90	2.97	2.60	2.97	2.48	2.64	2.98
15	2.95	2.76	2.74	3.56	3.07	2.86	2.97	2.64	3.00	2.49	2.66	2.94
16	2.97	2.80	2.78	3.38	3.10	2.84	2.98	2.66	2.94	2.49	2.80	2.92
17	2.95	2.75	3.05	3.29	3.12	2.81	3.00	2.65	3.01	2.50	2.80	2.90
18	2.94	2.71	2.99	3.20	3.10	2.84	3.05	2.66	2.72	2.50	2.40	2.88
19	2.93	2.67	2.96	3.16	3.14	3.22	3.02	2.66	2.74	2.50	2.70	2.86
20	2.95	2.65	2.92	3.12	3.08	3.18	2.99	2.66	2.72	2.55	2.40	2.88
21	2.99	2.64	2.90	3.06	3.05	3.22	2.95	2.80	2.70	2.84	2.10	2.86
22	2.97	2.60	2.87	3.04	3.02	3.20	2.96	2.90	2.93	2.80	2.45	2.85
23	2.96	2.57	2.86	2.99	3.03	3.18	2.94	2.95	3.05	2.41	2.80	2.91
24	2.98	2.54	2.84	2.97	3.05	3.24	2.90	2.95	3.19	2.41	2.31	2.90
25	2.95	2.50	2.87	2.95	3.04	3.16		2.94	2.71	2.40	2.55	2.90
26	2.94	2.56	2.87	2.95	3.01	3.15		2.93	2.71	2.42	2.55	2.86
27	2.90	2.52	2.85	2.93	3.04	3.20		2.92	2.70	2.80	2.42	2.85
28	2.87	2.50	2.83	2.90	3.04	3.19		2.92	2.28	2.75	2.51	2.85
29	2.85	-----	2.84	2.90	3.05	3.15		2.93	2.66	2.56	2.50	2.90
30	2.88	-----	2.82	2.90	3.06	3.12		2.94	2.65	3.10	2.50	2.85
31	2.87	-----	2.82	-----	3.06	-----		2.94	-----	2.06	-----	2.81

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.85	2.72	2.80	3.07	3.13	3.05	2.98	2.75	2.89	2.53	2.43	2.78
MAX	2.99	2.88	3.05	3.56	3.46	3.24	3.09	2.95	3.19	3.10	2.80	2.98
MIN	2.62	2.50	2.48	2.73	3.01	2.81	2.87	2.60	2.28	2.06	1.60	2.50
DAYS	31	28	31	30	31	30	24	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 358  
 THE MEAN STAGE FOR THE YEAR WAS 2.82.  
 HIGHEST STAGE WAS 3.70 AT 11:30 A.M. ON APR 8.  
 LOWEST STAGE WAS 1.45 ON NOV 7.





## DAILY STAGE FOR 1993

## LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA.

LOCATION. LAT. 29-41-40, LONG. 91-12-39. AT U. S. COAST GUARD DOCK ON LEFT BANK, 300 FEET DOWNSTREAM FROM U. S. HIGHWAY 90 BRIDGE 117.7 MILES (1963 SURVEY) FROM HEAD OF ATCHAFALAYA RIVER VIA ATCHAFALAYA BASIN MAIN CHANNEL. (STA. 0378010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

DISCHARGE RANGE. BETWEEN LOUISIANA HIGHWAY 183 AND U.S. HIGHWAY 90 BRIDGES.

GENERAL INFORMATION. DRAINAGE AREA NOT DETERMINED. BANKFULL STAGE, 4.0 FEET. NATURAL FLOW IS AFFECTED BY TIDES. PRIOR TO 1974 GAGE ZERO WAS MINUS 2.94 FEET, NGVD.

RECORDS AVAILABLE. STAGE, 1905 TO DATE. THE LOCATION OF GAGE HAS BEEN CHANGED SEVERAL TIMES DURING PERIOD OF RECORD. DISCHARGE, INTERMITTENTLY FROM 1927 TO DATE.

EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 10.53 FEET ON MAY 28, 1973. LOWEST, MINUS 5.44 FEET (AFFECTED BY STORM) ON AUG. 25, 1926. EXTREMES HAVE BEEN ADJUSTED TO NGVD. MAXIMUM, 741,000 CFS, WHICH IS A TOTAL OF OBSERVED FLOWS IN 1927 MADE AT MORGAN CITY ON JUNE 7, BAYOU BOEUF AT BOEUF (6-1/2 MILES EAST) ON JUNE 8, AND AT BAYOU RAMOS (FOUR MILES EAST) ON JUNE 10. MINIMUM, NOT DETERMINED.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	4.70	5.35	3.92	5.54	6.58	6.31	4.83	4.88	5.20	3.70	3.21	4.80
2	4.71	5.31	4.07	5.47	6.65	6.35	4.77	4.95	5.16	3.79	3.12	4.90
3	4.81	5.37	4.35	5.46	6.74	6.36	4.65	4.96	5.15	3.74	3.16	5.05
4	4.92	5.37	4.41	5.70	6.60	6.31	4.68	4.94	4.95	3.79	3.29	5.10
5	4.98	5.45	4.46	5.79	6.61	6.20	4.65	5.06	4.85	3.90	3.25	4.84
6	4.90	5.33	4.54	5.69	6.53	6.00	4.55	5.14	4.72	4.10	2.82	4.90
7	4.89	5.28	4.62	5.74	6.50	5.92	4.43	5.20	4.60	4.19	2.50	4.82
8	5.04	5.21	4.71	5.85	6.50	5.83	4.33	5.25	4.52	4.40	2.65	4.84
9	5.04	5.20	4.78	6.05	6.49	5.75	4.33	5.29	4.35	4.50	2.58	4.85
10	5.12	5.17	4.86	5.94	6.54	5.59	4.35	5.32	4.17	4.34	2.44	4.93
11	5.14	5.20	4.80	5.96	6.47	5.44	4.33	5.36	4.00	4.44	2.45	5.00
12	5.17	5.12	4.83	5.99	6.40	5.30	4.27	5.42	3.99	4.47	2.60	4.95
13	5.08	4.83	4.72	5.98	6.42	5.19	4.31	5.45	4.09	4.61	2.80	5.23
14	5.02	4.66	4.69	6.08	6.37	5.05	4.33	5.47	4.26	4.68	2.95	5.30
15	5.16	4.57	4.79	6.45	6.37	4.91	4.35	5.50	4.15	4.66	3.00	5.15
16	5.17	4.64	5.08	6.22	6.39	4.91	4.41	5.46	3.91	4.66	3.15	5.27
17	5.20	4.30	5.16	6.25	6.38	4.89	4.43	5.45	3.78	4.70	3.25	5.30
18	5.25	4.22	5.18	6.30	6.46	4.91	4.45	5.47	3.80	4.74	2.92	5.33
19	5.26	4.10	5.30	6.30	6.50	5.04	4.45	5.52	3.92	4.70	3.09	5.32
20	5.35	4.14	5.37	6.38	6.43	5.14	4.45	5.50	3.95	4.64	2.85	5.45
21	5.51	4.21	5.41	6.31	6.47	5.09	4.44	5.54	3.95	4.44	2.85	5.25
22	5.53	4.16	5.50	6.28	6.48	5.05	4.49	5.56	3.89	3.98	3.00	5.32
23	5.55	4.01	5.52	6.35	6.51	5.05	4.54	5.50	3.83	3.85	3.14	5.33
24	5.63	4.03	5.58	6.44	6.55	5.06	4.53	5.45	3.75	3.92	3.39	5.30
25	5.54	4.16	5.64	6.42	6.55	4.99	4.55	5.41	3.75	3.90	3.59	5.27
26	5.55	4.09	5.63	6.40	6.52	4.96	4.56	5.44	3.84	3.90	3.75	5.11
27	5.44	3.92	5.62	6.36	6.51	4.93	4.65	5.46	3.65	3.50	3.86	5.06
28	5.47	4.00	5.62	6.40	6.51	4.95	4.72	5.41	3.44	3.30	4.13	4.95
29	5.43	-----	5.58	6.41	6.50	4.93	4.75	5.36	3.52	3.40	4.35	4.81
30	5.38	-----	5.60	6.44	6.45	4.91	4.82	5.31	3.60	3.60	4.52	4.42
31	5.36	-----	5.60	-----	6.41	-----	4.84	5.27	-----	3.23	-----	4.38

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	5.20	4.69	5.03	6.10	6.50	5.38	4.52	5.33	4.16	4.12	3.16	5.05
MAX	5.63	5.45	5.64	6.45	6.74	6.36	4.84	5.56	5.20	4.74	4.52	5.45
MIN	4.70	3.92	3.92	5.46	6.37	4.89	4.27	4.88	3.44	3.23	2.44	4.38
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 4.94.  
 HIGHEST STAGE WAS 6.80 AT 4:30 P.M. ON MAY 24.  
 LOWEST STAGE WAS 2.40 ON NOV 10.

## DAILY STAGE FOR 1993

## LOWER ATCHAFALAYA RIVER BELOW SWEET BAY LAKE (LA.)

LOCATION. LAT. 29-33-06, LONG. 91-14-41. IN SLIP ON RIGHT BANK, 10.3 MILES SOUTH OF MORGAN CITY, LA., ATTACHED TO WHARF OF TEXAS OIL COMPANY, 129.5 MILES (1963 SURVEY) FROM HEAD OF ATCHAFALAYA RIVER VIA ATCHAFALAYA BASIN MAIN CHANNEL. (STA. 0382010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. STAGE, FEB. 29, 1956 TO DATE. FOR RECORDS 1946 TO 1956, REFER TO GAGE AT DEER ISLAND BAYOU, THREE MILES DOWNSTREAM.

EXTREMES. HIGHEST, 8.05 FEET (AFFECTED BY HURRICANE) ON JUNE 27, 1957. LOWEST, MINUS 1.55 FEET ON NOV. 6, 1959.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3.82	4.17	3.51	4.20	5.10	4.85	4.36	4.14	4.23	3.65	3.34	3.94
2	3.81	4.16	3.61	4.16	5.24	4.96	4.30	4.27	4.26	3.62	3.25	4.05
3	3.86	4.22	3.82	4.21	5.29	5.10	4.18	4.26	4.33	3.56	3.30	4.19
4	3.98	4.24	3.83	4.43	5.14	5.09	4.35	4.23	4.20	3.60	3.49	4.23
5	4.02	4.35	3.77	4.49	5.29	5.01	4.32	4.23	4.16	3.61	3.51	3.99
6	3.97	4.27	3.77	4.48	5.21	4.86	4.25	4.26	4.17	3.84	3.08	3.99
7	3.99	4.21	3.82	4.60	5.16	4.94	4.15	4.37	4.20	3.91	2.74	3.86
8	4.16	4.20	3.87	4.65	5.14	4.90	4.02	4.33	4.16	4.14	3.11	3.82
9	4.18	4.24	3.94	4.72	5.13	4.82	4.06	4.29	4.14	4.19	2.94	3.82
10	4.25	4.27	3.90	4.65	5.06	4.64	4.10	4.29	4.05	3.93	2.88	3.87
11	4.25	4.34	3.86	4.69	4.98	4.52	4.11	4.32	3.89	3.94	2.88	3.91
12	4.32	4.23	3.85	4.68	4.94	4.43	4.01	4.40	3.96	3.87	3.05	3.90
13	4.12	3.95	3.59	4.66	4.90	4.37	4.07	4.41	4.13	3.95	3.24	4.24
14	4.05	3.85	3.53	4.75	4.85	4.28	4.05	4.37	4.38	3.95	3.50	4.20
15	4.16	3.87	3.63	5.03	4.86	4.19	4.07	4.40	3.99	3.92	3.55	4.09
16	4.12	4.02	3.96	4.79	4.90	4.26	4.11	4.34	3.82	3.96	3.71	4.16
17	4.10	3.70	3.95	4.80	4.89	4.37	4.10	4.29	3.76	4.09	3.71	4.15
18	4.15	3.69	3.96	4.91	5.05	4.49	4.13	4.35	3.77	4.30	3.24	4.19
19	4.15	3.62	4.04	4.91	5.05	4.63	4.09	4.43	3.99	4.32	3.45	4.14
20	4.25	3.73	4.10	5.00	4.90	4.83	4.10	4.42	4.05	4.44	3.06	4.32
21	4.35	3.85	4.14	4.91	4.99	4.64	4.04	4.46	4.05	4.28	3.04	4.06
22	4.33	3.79	4.21	4.82	5.05	4.55	4.06	4.53	4.01	3.83	3.03	4.07
23	4.38	3.67	4.20	4.94	5.22	4.59	4.08	4.45	3.95	3.83	3.07	4.06
24	4.50	3.72	4.24	5.05	5.39	4.56	4.05	4.41	3.89	3.85	3.16	4.03
25	4.43	3.89	4.33	5.00	5.15	4.44	4.03	4.34	3.90	3.75	3.23	3.98
26	4.45	3.72	4.36	4.94	5.01	4.42	3.99	4.53	3.96	3.73	3.29	3.90
27	4.30	3.56	4.33	4.85	5.01	4.36	4.08	4.50	3.52	3.50	3.24	3.88
28	4.31	3.62	4.31	4.88	5.04	4.40	4.15	4.35 F	3.52	3.37	3.42	3.88
29	4.27	-----	4.27	4.91	5.01	4.40	4.13	4.32 F	3.54	3.46	3.55	3.89
30	4.25	-----	4.31	4.94	5.00	4.43	4.18	4.31 F	3.53	3.44	3.64	3.64
31	4.19	-----	4.32	-----	4.95	-----	4.16	4.26	-----	3.16	-----	3.68

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	4.18	3.97	3.98	4.73	5.06	4.61	4.13	4.35	3.98	3.84	3.26	4.00
MAX	4.50	4.35	4.36	5.05	5.39	5.10	4.36	4.53	4.38	4.44	3.71	4.32
MIN	3.81	3.56	3.51	4.16	4.85	4.19	3.99	4.14	3.52	3.16	2.74	3.64
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 4.18.

HIGHEST STAGE WAS 5.46 AT 8:00 P.M. ON MAY 2.

LOWEST STAGE WAS 2.74 ON NOV 7.

## DAILY STAGE FOR 1993

WAX LAKE OUTLET VICINITY AT BELLE ISLE, LA.

LOCATION. LAT. 29-31-47, LONG. 91-23-39. ON GAS PLATFORM CATWALK IN LITTLE BAYOU NEAR CARGUIL SALT MINE. (STA. 0383010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. STAGE, APR. 1973 TO DEC. 1975 AND APR. 13, 1976 TO DATE.

EXTREMES. HIGHEST, 5.05 FEET (CAUSED BY HURRICANE) ON OCT. 28, 1985. LOWEST, MINUS 1.65 FEET ON JAN. 17, 1981.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.34	1.44		1.50	2.54	2.19	2.26	1.84	1.81	1.74	1.05	1.75
2	1.18	1.41		1.36	2.86	2.74	2.24	2.14	1.90	1.74	0.90	1.87
3	1.33	1.63		1.60	2.90	3.05	2.01	2.13	2.01	1.45	1.12	2.20
4	1.55	1.67		1.84	2.69	3.10	2.62	2.05	1.69	1.51	1.60	2.34
5	1.47			2.05	3.06	2.93	2.49	2.02	1.60	1.61	1.62	1.61
6	1.36			2.12	2.99	2.63	2.41	2.04	1.75	1.99	0.43	1.68
7	1.42			2.44	3.09	2.94	2.16	2.25	1.86	2.12	0.40	1.31
8	1.75			2.15	3.02	2.98	1.94	2.02	1.88	2.45	1.09	1.29
9	1.80			2.30	3.08	2.66	2.09	1.90	1.95	2.46	0.77	1.29
10	2.01			2.25	2.67	2.25	2.06	1.88	1.85	1.53	0.69	1.39
11	1.92			2.23	2.31	1.95	2.08	1.99	1.50	1.91	0.71	1.35
12	2.33			2.12	2.31	1.80	1.84	2.15	1.95	1.89	0.94	1.30
13	1.55			2.05	2.20	1.88	2.06	2.16	2.34	2.14	1.10	2.20
14	1.41			2.22	2.11	1.84	2.00	2.01	2.85	2.01	1.36	1.76
15	1.63			2.53	2.29	1.78	2.06	2.03	1.70	1.90	1.35	1.47
16	1.43			1.86	2.42	2.24	2.15	1.90	1.68	2.05	1.87	1.79
17	1.48	F	1.35	2.02	2.46	2.54	2.15	1.78	1.65	2.25	1.43	1.76
18	1.61		1.45	2.30	2.82	2.70	2.20	1.95	1.81	2.63	1.16	1.85
19	1.58		1.64	2.37	2.79	2.91	2.10	2.15	2.27	2.65	1.55	1.60
20	1.83		1.68	2.48	2.38	3.33	2.00	2.07	2.40	2.84	0.46	2.09
21	1.95		1.69	2.14	2.65	2.83	1.90	2.04	2.37	2.23	0.86	1.20
22	1.83		1.90	2.30	2.81	2.86	2.10	2.18	2.25	1.18	0.73	1.44
23	1.93		1.89	2.61	3.24	2.76	2.03	1.99	2.21	1.59	0.81	1.29
24	2.08		1.93	3.16	3.70	2.79	1.88	1.84	1.99	1.91	0.77	1.31
25	1.93		2.16	2.70	2.80	2.25	1.81	1.71	2.04	1.75	0.79	1.35
26	2.15		2.02	2.33	2.55	2.17	1.69	2.21	2.24	1.75	0.71	1.18
27	1.84		2.15	2.14	2.50	2.14	2.00	2.44	1.11	1.09	0.58	1.23
28	1.85		2.00	2.34	2.54	2.25	2.09	2.01	1.11	0.99	1.01	1.34
29	1.68	-----	1.83	2.49	2.57	2.34	1.98	1.92	1.28	1.34	1.14	1.29
30	1.51	-----	1.97	2.47	2.56	2.41	2.08	1.94	1.48	0.82	1.24	0.80
31	1.42	-----	1.89	-----	2.50	-----	2.00	1.86	-----	0.39	-----	1.26

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.68	1.54	1.84	2.22	2.69	2.51	2.08	2.02	1.88	1.80	1.01	1.54
MAX	2.33	1.67	2.16	3.16	3.70	3.33	2.62	2.44	2.85	2.84	1.87	2.34
MIN	1.18	1.41	1.35	1.36	2.11	1.78	1.69	1.71	1.11	0.39	0.40	0.80
DAYS	31	4	15	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 325

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.93.

HIGHEST STAGE WAS 3.73 AT 8:15 A.M. ON MAY 24.

LOWEST STAGE WAS 0.09 ON NOV 6.

## DAILY STAGE FOR 1993

## ROUND BAYOU AT DEER ISLAND (LA.)

LOCATION. LAT. 29-28-28, LONG. 91-15-46. ON LEFT BANK OF ROUND BAYOU AT MOUTH OF LOWER ATCHAFALAYA RIVER, MILE 135.8 (1963 SURVEY). (STA. 0385010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. ADD 0.49 FOOT TO ALL STAGES IN 1974.

RECORDS AVAILABLE. MAR. 9, 1974 TO DATE.

EXTREMES. HIGHEST, 7.65 FEET (CAUSED BY HURRICANE) ON AUG. 26, 1992. LOWEST, (FROM INCOMPLETE RECORD) MINUS 1.21 FEET ON DEC. 23, 1989.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.17	1.27	0.90	1.29	1.99	1.84	1.85	1.54	1.60	1.30	0.85	1.33
2	1.07	1.25	1.25	1.22	2.39	2.25	1.84	1.75	1.73	1.27	0.74	1.55
3	1.14	1.35	1.17	1.40	2.25	2.49	1.65	1.70	1.85	1.10	0.89	1.85
4	1.24	1.35	0.93	1.42	2.17	2.49	2.18	1.70	1.64	1.30	1.28	1.99
5	1.16	1.45	0.87	1.65	2.50	2.35	2.00	1.65	1.60	1.25	1.29	1.50
6	1.17	1.35	0.88	1.70	2.57	2.26	1.90	1.70	1.70	1.53 F	0.75	1.50
7	1.12	1.37	1.01	2.00	2.64	2.46	1.75	1.90	1.85	1.70 F	0.74	1.28
8	1.32	1.38	1.08	1.73	2.59	2.55	1.59	1.70	1.80	2.02	0.91	1.19
9	1.38	1.53	1.28	1.96	2.62	2.27	1.72	1.65	1.89	2.10 F	0.75	1.18
10	1.52	1.79	1.57	2.02	2.40	1.93	1.89	1.63	1.82	1.55 F	0.75	1.21
11	1.55	2.22	1.47	2.00	1.99	1.78	1.64	1.65	1.50	1.70 F	0.75	1.20
12	1.90	1.96	1.40	1.85	2.03	1.64	1.60	1.85	1.85	1.50 F	0.75	1.16
13	1.37	1.12	0.83	1.85	1.83	1.63	1.80	1.43	2.06	1.50	0.78	1.65
14	1.28	1.08	0.89	1.91	1.76	1.49	1.65	1.90	2.49	1.40	1.00	1.53
15	1.44	1.15	0.98	2.04	1.90	1.54	1.71	1.83	1.50	1.35	1.00	1.35
16	1.32	1.14	1.51	1.60	2.01	1.74	1.80	1.73	1.34	1.36	1.50	1.50
17	1.32	0.82	1.25	1.70	2.00	1.98	1.70	1.53	1.33	1.55	1.20	1.54
18	1.30	0.85	1.28	1.90	2.33	2.16	1.70	1.60	1.43	1.90	1.05	1.63
19	1.27	0.83	1.35	1.99	2.18	2.50	1.61	1.74	1.90	2.00	1.35	1.52
20	1.42	0.95	1.42	2.05	2.02	2.73	1.60	1.70	1.96	2.25 F	0.75	1.85
21	1.47	1.35	1.44	1.79	2.08	2.19	1.49	1.70	1.95	1.93	0.83	1.26
22	1.47	1.06	1.60	2.02	2.26	2.22	1.60	1.85	1.95	1.30 F	0.75	1.40
23	1.56	1.07	1.62	2.25	2.74	2.27	1.60	1.75	1.85	1.52 F	0.75	1.27
24	1.72	1.22	1.65	2.70	3.02	2.29	1.65	1.71	1.84	1.68 F	0.75	1.25
25	1.64	1.81	1.90	2.29	2.59	2.01	1.59	1.61	1.83	1.42 F	0.75	1.20
26	1.83	1.10	1.80	2.00	2.26	1.99	1.45	2.09	1.94	1.35 F	0.74	1.10
27	1.68	1.20	1.85	1.80	2.25	1.80	1.64	2.20	0.98	1.04 F	0.75	1.05
28	1.57	1.22	1.74	2.04	2.33	1.85	1.75	1.82	0.99	0.96	0.80	1.13
29	1.53	-----	1.59	2.09	2.20	1.94	1.60	1.76	1.05	1.08	0.90	1.15
30	1.40	-----	1.64	2.00	2.13	1.95	1.77	1.76	1.11	0.84	0.98	0.83
31	1.32	-----	1.65	-----	2.05	-----	1.63	1.66	----- F	0.70	-----	1.04

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.41	1.29	1.35	1.88	2.26	2.09	1.71	1.74	1.68	1.47	0.90	1.36
MAX	1.90	2.22	1.90	2.70	3.02	2.73	2.18	2.20	2.49	2.25	1.50	1.99
MIN	1.07	0.82	0.83	1.22	1.76	1.49	1.45	1.43	0.98	0.70	0.74	0.83
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.60.

HIGHEST STAGE WAS 3.30 AT 5:00 P.M. ON DEC 13.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 0.70 ON OCT 31.

DAILY STAGE FOR 1993  
BLACK RIVER AT ACME, LA.

LOCATION. LAT. 31-16-02, LONG. 91-09-56. MILE 0.1 (1949). EVA QUADRANGLE. (STA. 0475011.)

GAGE. STAFF ON LEFT BANK.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY VICKSBURG DISTRICT. DRAINAGE AREA, 24,237 SQUARE MILES (VARIABLE DUE TO INTERCHANGING DRAINAGE). BANKFULL STAGE, 48 FEET.

RECORDS AVAILABLE. STAGE, DEC. 9, 1894 TO MAR. 31, 1899, NOV. 9, 1923 TO OCT. 17, 1981, AND JAN. 1, 1982 TO DATE. MEASURED DISCHARGE, 1942 AND 1946.

EXTREMES. HIGHEST, 62.7 FEET ON MAY 14-17, 1927. LOWEST, 2.61 FEET ON JULY 16, 1964.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO, 0.68 FOOT, NGVD (1929-41 ADJ)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	36.4	36.4	30.8	38.5	40.9	39.3	30.2	29.4	27.8	22.0	20.3	31.6
2	36.2	35.7	32.2	38.3	41.4	38.7	29.6	29.6	27.5	22.3	20.1	31.3
3	35.9	35.3	33.9	38.2	41.6	38.0	28.7	29.4	26.6	22.9	19.8	30.6
4	35.6	34.8	34.6	38.0	41.2	37.2	27.9	30.2	25.4	23.0	19.2	29.4
5	35.2	34.3	35.3	37.9	41.4	36.0	26.7	30.1	24.5	24.1	18.3	29.5
6	34.7	33.8	35.7	37.7	41.2	34.9	25.4	30.4	23.4	25.3	17.7	30.4
7	34.1	33.3	35.9	37.7	41.3	33.9	25.1	30.7	22.8	26.2	16.8	31.6
8	34.3	32.8	35.9	38.5	41.1	32.6	25.2	31.0	21.6	26.0	15.9	32.3
9	34.7	32.2	35.8	39.8	40.7	30.8	24.5	31.6	19.8	26.7	15.9	33.4
10	34.7	31.3	35.7	40.7	40.6	29.6	24.3	31.6	19.6	27.2	15.7	34.0
11	34.6	30.6	35.6	41.1	40.3	29.4	24.0	31.9	19.7	27.1	15.3	34.2
12	34.9	29.7	35.6	41.3	40.4	28.9	24.4	31.8	19.6	27.5	15.5	34.3
13	35.3	28.2	36.0	41.4	40.6	28.0	24.4	31.8	19.6	27.3	15.0	34.2
14	35.6	26.7	36.2	41.5	41.1	27.4	24.8	31.8	19.5	27.4	14.9	34.9
15	35.5	25.4	36.1	41.8	41.6	27.2	25.6	32.0	19.0	26.6 E	17.4	35.3
16	35.4	24.5	36.1	41.9	41.8	27.0	25.7	31.8	18.9	25.8	18.6	35.6
17	35.3	25.5	36.3	41.8	41.6	27.1	25.7	31.9	18.8	25.1	20.6	35.6
18	35.2	26.8	36.8	41.8	41.6	27.3	26.1	31.4	19.2	24.8	21.2	35.3
19	35.1	27.4	37.0	41.9	41.5	27.5	26.2	31.4	19.1	23.2	22.4	35.1
20	35.9	28.3	37.1	42.2	41.4	27.5	26.2	31.2	19.4	21.2	23.2	34.8
21	37.3	29.6	37.4	42.4	41.2	28.0	26.8	31.0	19.1	20.1	22.7	34.6
22	37.8	30.3	37.8	42.7	41.6	28.6	27.2	30.7	18.9	19.5	24.8	34.4
23	38.0	30.1	38.3	42.7	41.7	30.8	27.3	30.6	19.1	20.2	26.6	34.4
24	38.0	29.9	38.7	42.9	41.6	31.9	27.6	30.3	19.2	22.0	28.3	33.8
25	37.8	29.9	38.9	42.9	41.4	31.7	27.8	30.4	19.4	24.0	29.1	33.1
26	37.7	30.4	39.1	42.7	41.3	31.5	27.5	29.9	19.8	24.6	29.3	32.3
27	37.7	30.5	39.2	42.4	41.0	31.5	28.3	29.9	20.3	23.2	30.4	31.0
28	37.7	30.6	39.1	41.9	40.7	31.8	28.5	29.8	19.9	22.7	30.9	29.6
29	37.4	-----	38.9	41.2	40.4	31.8	28.6	29.2	20.4	22.4	30.8	27.9
30	37.1	-----	38.8	41.0	40.0	31.2	28.8	28.8	20.2	22.6	31.1	26.5
31	36.9	-----	38.6	-----	39.7	-----	29.2	28.7	-----	21.6	-----	25.7

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	36.1	30.5	36.6	40.8	41.1	31.2	26.7	30.7	20.9	24.0	21.6	32.5
MAX	38.0	36.4	39.2	42.9	41.8	39.3	30.2	32.0	27.8	27.5	31.1	35.6
MIN	34.1	24.5	30.8	37.7	39.7	27.0	24.0	28.7	18.8	19.5	14.9	25.7
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

E=ESTIMATED

THE MEAN STAGE FOR THE YEAR WAS 31.1.

HIGHEST STAGE WAS 42.9 ON APR 24 AND LATER DATE(S).

LOWEST STAGE WAS 14.9 ON NOV 14.

## DAILY STAGE FOR 1993

## BAYOU LATENACHE ABOVE POINTE COUPEE DRAINAGE STRUCTURE (LA.)

LOCATION. LAT. 30-43-44, LONG. 91-44-00. ON UPSTREAM SIDE OF STRUCTURE, 2.4 MILES NORTH OF MELVILLE, LA. (STA. 4090012B.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1950. DAILY, FEB. 14, 1951 TO DATE.

EXTREMES. HIGHEST, 33.48 FEET (FROM INCOMPLETE RECORD) ON MAY 1, 1973. LOWEST, BELOW LEVEL OF GAGE ON OCT. 4, 1989 AND LATER DATE(S).

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1967 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	18.00	19.79	19.43	17.64	18.49	17.03	17.44					
2	17.78	19.56	24.70	17.31	25.21	16.99	17.12	14.70		F	14.83	
3	17.58	19.39	25.13	17.07	24.68	16.94	16.89					
4	17.40	19.20	23.37	22.55	23.37	16.90	16.67			F	14.00	F 15.33
5	17.43	19.03	22.62	21.15	22.24	16.87	16.59					15.66
6	17.40	18.92	21.50	21.84	22.49	16.84	16.49					15.52
7	17.87	18.76	21.01	21.30	20.69	16.80	16.35					
8	23.87	18.57	20.42	26.60	19.98	16.75	16.16					
9	21.40	18.40	19.97	26.70	19.50	16.71	16.00					
10	22.13	18.22	19.61	25.82	19.19	16.66	15.80				F	15.28
11	22.40	20.07	19.28	24.56	18.95	16.60	17.42					17.05
12	25.55	20.29	18.96	21.34	18.70	16.59	17.32					16.90
13	22.85	19.55	19.10	22.60	18.86	16.54	16.71					16.42
14	22.50	18.99	18.99	22.04	18.64	16.52	16.15				F	15.33
15	21.80	18.59	18.75	22.36	18.32	16.45	15.75		F	14.40	18.70	21.80
16	21.30	18.78	18.61	22.09	18.05	16.39	15.56	14.50			21.85	20.34
17	20.80	20.16	19.33	21.47	17.82	16.34	15.64				23.17	19.34
18	20.38	19.42	19.16	20.86	17.60	16.26	15.50				22.50	18.66
19	20.06	18.85	18.85	20.40	17.45	16.26					21.55	18.17
20	22.90	18.49	18.58	20.06	17.33	16.28					19.96	17.76
21	26.40	18.17	18.41	19.78	17.19	16.42	F 14.82				18.94	17.39
22	25.58	17.95	18.22	19.49	17.06	16.66					18.23	17.04
23	24.33	17.66	18.39	19.24	16.98	16.70					17.61	17.34
24	21.80	17.40	18.96	19.06	16.89	17.35					17.05	17.52
25	22.90	17.18	18.64	18.82	16.86	17.44					16.58	17.26
26	22.01	21.01	18.76	18.58	16.82	17.34					16.15	16.99
27	21.46	20.99	18.82	18.35	16.93	18.06					15.80	16.70
28	20.97	20.05	18.56	18.20	17.18	18.21					15.50	16.44
29	20.60	-----	18.28	18.10	17.20	18.09					F 15.15	16.74
30	20.26	-----	18.02	17.85	17.15	17.76						17.24
31	20.00	-----	17.83	-----	17.12	-----		F 14.40	-----		-----	16.96

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	21.22	19.05	19.69	20.77	18.87	16.89	16.34	14.53	14.40	14.00	18.17	17.49
MAX	26.40	21.01	25.13	26.70	25.21	18.21	17.44	14.70	14.40	14.00	23.17	21.80
MIN	17.40	17.18	17.83	17.07	16.82	16.26	14.82	14.40	14.40	14.00	14.83	15.28
DAYS	31	28	31	30	31	30	19	3	1	1	17	25

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 247

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 18.81.

HIGHEST STAGE WAS 26.85 AT 1:00 A.M. APR 9.

LOWEST STAGE WAS NOT DETERMINED.

## DAILY STAGE FOR 1993

## BAYOU LATENACHE BELOW POINTE COUPEE DRAINAGE STRUCTURE (LA.)

LOCATION. LAT. 30-43-43, LONG. 91-43-59. ON DOWNSTREAM SIDE OF STRUCTURE, 2.4 MILES NORTH OF MELVILLE, LA. (STA. 4350012B.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. FEB. 9, 1951 TO DATE.

EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 38.10 FEET ON MAY 18, 1973. LOWEST, BELOW LEVEL OF GAGE ON MAY 16, 1988 AND LATER DATE(S).

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	17.99	19.71	19.39	17.60	18.48	17.05	17.43					
2	17.77	19.51	24.50	17.32	24.98	17.00	17.13					
3	17.53	19.34	25.10	17.07	24.60	16.96	16.88					
4	17.36	19.18	23.44 F	19.74	23.29	16.91	16.67					
5	17.38	19.00	23.00	21.15	22.15	16.90	16.59					
6	17.40	18.90	21.50	21.81	22.14	16.85	16.49					
7	17.90	18.73 F	21.24	21.33	20.67	16.82	16.34					
8	23.90	18.52		26.55	19.98	16.77	16.16					
9	21.41	18.34		26.74	19.50	16.73	16.01					
10	22.18 F	18.18		25.90	19.18	16.68	15.81					
11	22.55	20.04		24.67	18.96	16.62	17.46					
12	25.20	20.26		23.60	18.69	16.61	17.29					
13	22.60	19.54		22.64	18.87	16.56	16.66					
14	22.82	19.00		22.06	18.64	16.55	16.11					
15	21.80	18.60	18.70	22.35	18.32	16.47	15.74		14.40		18.65	
16	21.32	18.79	18.56	22.11	18.05	16.40					21.59 F	20.08
17	20.85	20.14	19.27	21.49	17.81	16.35					22.96	18.00
18	20.42	19.42	19.11	20.90	17.59	16.29					22.31	
19	20.02	18.86	18.81	20.42	17.46	16.29					21.36	
20	23.10	18.49	18.54	20.10	17.33	16.30					19.80	
21	26.30	18.18	18.37	19.80	17.18	16.44 F	14.73				18.79 F	17.15
22	25.50	17.95	18.17	19.50	17.05	16.69					18.09	
23	24.30	17.68	18.33	19.26	16.95	16.73					17.44	
24	21.66	17.41	18.90	19.07	16.88	17.36					16.87	
25	22.87	17.18	18.59	18.84	16.86	17.44					16.40	
26	21.93	21.07	18.72	18.60	16.82	17.35					15.99	
27	21.42	20.92	18.78	18.36	16.94	18.09					15.63	
28	20.97	20.03	18.51	18.20	17.17	18.20						
29	20.55	-----	18.23	18.10	17.19	18.09					15.05 F	16.97
30	20.20	-----	17.97	17.86	17.14	17.76					F	17.02
31	19.96	-----	17.79	-----	17.11	-----			-----		-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	21.20	19.03	19.73	20.77	18.84	16.91	16.47		14.40		18.64	17.84
MAX	26.30	21.07	25.10	26.74	24.98	18.20	17.46		14.40		22.96	20.08
MIN	17.36	17.18	17.79	17.07	16.82	16.29	14.73		14.40		15.05	16.97
DAYS	31	28	24	30	31	30	16	0	1	0	14	5

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 210

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 19.08.

HIGHEST STAGE WAS 26.90 AT 12:15 A.M. ON APR 9.

LOWEST STAGE WAS NOT DETERMINED.

## DAILY STAGE FOR 1993

WABPL (FWS) AT BAYOU ROUGE (LA.)

LOCATION. LAT. 30-45-23, LONG. 91-54-35. IN BAYOU ROUGE, 2.8 MILES NORTH OF PALMETTO, LA.  
(STA. 4615012A.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. DAILY, JUNE 8, 1937 TO 1979, JUNE 14, 1982 TO FEB. 9, 1987. INTERMITTENTLY  
JAN. 11, 1988 TO DATE.

EXTREMES. HIGHEST, 29.89 FEET ON MAR. 14, 1988. LOWEST, 12.3 FEET FROM OCT. 14 TO 16, 1950.

STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		21.34				17.58					17.38	
2			24.55									
3					27.58							
4												
5				24.19								
6	17.78									16.47		
7									16.66			
8		18.54	24.81									
9								16.68				
10												
11	25.29											
12												
13							20.28					19.75
14						16.95						
15											22.88	
16		19.52	19.47									
17					19.47							
18										16.48		
19				29.93								
20	25.69								16.62			
21												
22			18.60									
23		18.05						16.77				
24												
25	26.30											
26							16.79					
27												
28												
29		-----	18.31			24.39					18.84	
30		-----										
31		-----		-----		-----			-----		-----	



## DAILY STAGE FOR 1993

## BIG DARBONNE BAYOU (FWS) AT COURTABLEAU, LA.

LOCATION. LAT. 30-33-05, LONG. 91-51-53. NORTH OF U. S. HIGHWAY 190, ON EAST SIDE OF DARBONNE BAYOU CONTROL STRUCTURE. (STA. 4630012E.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. INTERMITTENTLY, 1932 TO 1934, 1941 TO 1958, AND 1961 TO 1966. DAILY, MAY 1966 TO DATE.

EXTREMES. (FROM INCOMPLETE RECORD) HIGHEST, 25.9 FEET ON MAY 3, 1945. LOWEST, 10.5 FEET ON SEP. 15, 1954.

## DAILY SEVEN A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	G 15.80	18.00 G	16.30 G	16.30 G	17.85 G	17.40 G	16.30 G	14.40 G	14.40 G	13.00 G	13.90 G	15.90
2	G 15.85	G 17.75	G 16.50	G 16.20	G 18.00	G 17.40	G 16.20	G 14.35	G 14.50	G 13.10	G 14.20	G 15.80
3	G 15.70	G 17.60	G 17.00	G 16.50	G 18.20	G 17.35	G 16.10	G 14.30	G 14.45	G 13.20	G 14.30	G 15.70
4	G 15.60	G 17.50	G 17.10	G 16.70	G 18.50	G 17.10	G 15.90	G 14.20	G 14.50	G 13.25	G 14.25	G 15.60
5	G 15.50	G 17.40	G 17.30	G 17.10	G 18.60	G 17.00	G 15.80	G 14.30	G 14.55	G 13.20	G 14.30	G 15.60
6	G 15.40	G 17.20	G 17.25	G 17.30	G 18.65	G 16.90	G 15.70	G 14.35	G 14.50	G 13.15	G 14.35	G 15.55
7	G 15.50	G 17.00	G 17.20	G 17.40	G 18.70	G 16.80	G 15.60	G 14.30	G 14.60	G 13.10	G 14.40	G 15.50
8	G 16.80	G 16.80	G 17.15	G 17.80	G 18.70	G 16.60	G 15.50	G 14.40	G 14.55	G 13.00	G 14.35	G 15.45
9	G 17.40	G 16.70	G 17.10	G 18.30	G 18.60	G 16.40	G 15.40	G 14.50	G 14.60	G 13.10	G 14.40	G 15.40
10	G 17.35	G 16.60	G 17.00	G 18.35	G 18.55	G 16.30	G 15.40	G 14.55	G 14.50	G 13.20	G 14.45	G 15.30
11	G 17.30	G 16.40	G 16.95	G 18.45	G 18.50	G 16.10	G 15.35	G 14.50	G 14.40	G 13.30	G 14.40	G 15.60
12	G 17.40	G 16.50	G 16.90	G 18.60	G 18.45	G 15.90	G 15.30	G 14.40	G 14.35	G 13.40	G 14.35	G 15.70
13	G 17.60	G 16.40	G 16.80	G 18.65	G 18.50	G 15.70	G 15.20	G 14.40	G 14.30	G 13.45	G 14.30	G 15.80
14	G 17.70	G 16.30	G 16.70	G 18.70	G 18.40	G 15.50	G 15.10	G 14.50	G 14.20	G 13.40	G 14.40	G 16.50
15	G 17.50	G 16.20	G 16.60	G 18.80	G 18.30	G 15.40	G 15.30	G 14.50	G 14.10	G 13.30	G 15.40	G 16.70
16	G 17.60	G 16.10	G 16.40	G 18.70	G 18.20	G 15.30	G 15.40	G 14.55	G 14.05	G 13.40	G 16.80	G 16.70
17	G 17.50	G 16.20	G 16.50	G 18.75	G 18.10	G 15.20	G 15.35	G 14.45	G 14.00	G 13.50	G 17.20	G 16.60
18	G 17.60	G 16.25	G 16.45	G 18.70	G 18.00	G 15.10	G 15.30	G 14.40	G 13.90	G 13.55	G 17.30	G 16.50
19	G 17.50	G 16.10	G 16.30	G 18.65	G 17.95	G 15.00	G 15.20	G 14.35	G 13.95	G 13.60	G 17.35	G 16.40
20	G 17.35	G 16.00	G 16.40	G 18.60	G 17.95	G 14.95	G 15.30	G 14.45	G 13.90	G 13.50	G 17.30	G 16.30
21	G 18.10	G 15.95	G 16.30	G 18.50	G 17.90	G 15.00	G 15.20	G 14.50	G 13.85	G 13.45	G 17.20	G 16.20
22	G 18.40	G 15.85	G 16.20	G 18.45	G 17.80	G 15.10	G 15.10	G 14.60	G 13.75	G 13.40	G 17.15	G 16.00
23	G 18.35	G 15.80	G 16.25	G 18.40	G 17.75	G 15.10	G 15.00	G 14.65	G 13.70	G 13.35	G 17.10	G 15.90
24	G 18.20	G 15.70	G 16.20	G 18.30	G 17.80	G 15.40	G 14.90	G 14.60	G 13.65	G 13.30	G 17.00	G 15.90
25	G 18.30	G 15.65	G 16.40	G 18.20	G 17.70	G 15.80	G 14.85	G 14.70	G 13.60	G 13.25	G 16.90	G 15.85
26	G 18.50	G 16.10	G 16.50	G 18.15	G 17.65	G 15.90	G 14.80	G 14.75	G 13.50	G 13.20	G 16.70	G 15.80
27	G 18.40	G 16.30	G 16.60	G 18.05	G 17.70	G 16.00	G 14.75	G 14.70	G 13.40	G 13.10	G 16.50	G 15.80
28	G 18.30	G 16.40	G 16.55	G 18.00	G 17.60	G 16.10	G 14.70	G 14.60	G 13.30	G 13.05	G 16.40	G 15.70
29	G 18.20	-----	G 16.50	G 17.95	G 17.55	G 16.20	G 14.65	G 14.55	G 13.20	G 13.00	G 16.30	G 15.60
30	G 18.10	-----	G 16.45	G 17.90	G 17.50	G 16.20	G 14.60	G 14.50	G 13.10	G 13.50	G 16.20	G 15.65
31	G 18.05	-----	G 16.40	-----	G 17.45	-----	G 14.50	G 14.45	-----	G 13.80	-----	G 15.70

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	17.32	16.53	16.65	18.01	18.10	16.01	15.28	14.48	14.04	13.29	15.64	15.89
MAX	18.50	18.00	17.30	18.80	18.70	17.40	16.30	14.75	14.60	13.80	17.35	16.70
MIN	15.40	15.65	16.20	16.20	17.45	14.95	14.50	14.20	13.10	13.00	13.90	15.30
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 15.93.

HIGHEST STAGE WAS 18.80 ON APR 15.

LOWEST STAGE WAS 13.00 ON OCT 1 AND LATER DATE(S).

## DAILY STAGE FOR 1993

WABPL BORROW PIT (FWS) NEAR COURTABLEAU, LA.

LOCATION. LAT. 30-32-07, LONG. 91-51-23. ON RIGHT BANK 1000 FEET NORTH OF BAYOU COURTABLEAU DRAINAGE STRUCTURE, 1.7 MILES SOUTHEAST OF COURTABLEAU. (STA. 4637512E.)

GAGE. STAFF TYPE IN SEVERAL SECTIONS.

GENERAL INFORMATION. GAGE HAS BEEN KNOWN AS BAYOU COURTABLEAU CROSSING, FWS.

RECORDS AVAILABLE. STAGE, INTERMITTENTLY, 1932 TO 1950, 1953, AND 1956 TO 1957. DAILY, MAY 1968 TO DATE. DISCHARGE, 1932 TO 1934.

EXTREMES. HIGHEST, 26.0 FEET ON APR. 28, 1945. LOWEST, 10.6 FEET ON OCT. 15 AND LATER DATES IN 1972.

## DAILY SEVEN A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	15.80	18.00	16.30	16.30	17.85	17.40	16.30	14.40	14.40	13.00	13.90	15.90
2	15.85	17.75	16.50	16.20	18.00	17.40	16.20	14.35	14.50	13.10	14.20	15.80
3	15.70	17.60	17.00	16.50	18.20	17.35	16.10	14.30	14.45	13.20	14.30	15.70
4	15.60	17.50	17.10	16.70	18.50	17.10	15.90	14.20	14.50	13.25	14.25	15.60
5	15.50	17.40	17.30	17.10	18.60	17.00	15.80	14.30	14.55	13.20	14.30	15.60
6	15.40	17.20	17.25	17.30	18.65	16.90	15.70	14.25	14.50	13.15	14.35	15.55
7	15.50	17.00	17.20	17.45	18.70	16.80	15.60	14.30	14.60	13.10	14.40	15.50
8	16.80	16.80	17.15	17.80	18.70	16.60	15.50	14.40	14.55	13.00	14.35	15.45
9	17.40	16.70	17.10	18.30	18.60	16.40	15.40	14.50	14.60	13.10	14.40	15.40
10	17.35	16.60	17.00	18.35	18.55	16.30	15.40	14.55	14.50	13.20	14.45	15.30
11	17.30	16.40	16.95	18.45	18.50	16.10	15.35	14.50	14.40	13.30	14.40	15.60
12	17.40	16.50	16.90	18.60	18.45	15.90	15.30	14.40	14.35	13.40	14.35	15.70
13	17.60	16.40	16.80	18.65	18.50	15.70	15.20	14.35	14.30	13.45	14.30	15.80
14	17.70	16.30	16.70	18.70	18.40	15.50	15.10	14.40	14.20	13.40	14.40	16.50
15	17.50	16.20	16.60	18.80	18.30	15.40	15.30	14.50	14.10	13.30	15.40	16.70
16	17.60	16.10	16.40	18.70	18.20	15.30	15.40	14.55	14.05	13.40	16.80	16.70
17	17.50	16.20	16.50	18.75	18.10	15.20	15.35	14.45	14.00	13.50	17.20	16.60
18	17.60	16.25	16.45	18.70	18.00	15.10	15.30	14.40	13.90	13.55	17.30	16.50
19	17.50	16.10	16.30	18.65	17.95	15.00	15.20	14.35	13.95	13.60	17.35	16.40
20	17.35	16.00	16.40	18.60	17.95	14.95	15.30	14.45	13.90	13.50	17.30	16.30
21	18.10	15.95	16.30	18.50	17.90	15.00	15.20	14.50	13.85	13.45	17.20	16.20
22	18.40	15.85	16.20	18.45	17.80	15.10	15.10	14.60	13.75	13.40	17.15	16.00
23	18.35	15.80	16.25	18.40	17.80	15.10	15.00	14.65	13.70	13.35	17.10	15.90
24	18.25	15.70	16.20	18.35	17.80	15.40	14.90	14.60	13.65	13.30	17.00	15.90
25	18.30	15.65	16.40	18.20	17.70	15.80	14.85	14.70	13.60	13.25	16.90	15.85
26	18.50	16.10	16.50	18.15	17.65	15.90	14.80	14.60	13.50	13.20	16.70	15.80
27	18.40	16.30	16.60	18.05	17.70	16.00	14.75	14.55	13.40	13.10	16.50	15.80
28	18.30	16.40	16.55	18.00	17.60	16.10	14.70	14.60	13.30	13.05	16.40	15.70
29	18.20	-----	16.50	17.95	17.50	16.20	14.65	14.55	13.20	13.00	16.30	15.60
30	18.10	-----	16.45	17.90	17.45	16.20	14.60	14.50	13.10	13.50	16.20	15.65
31	18.05	-----	16.40	-----	17.45	-----	14.50	14.45	-----	13.80	-----	15.70

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	17.32	16.53	16.65	18.02	18.10	16.01	15.28	14.46	14.04	13.29	15.64	15.89
MAX	18.50	18.00	17.30	18.80	18.70	17.40	16.30	14.70	14.60	13.80	17.35	16.70
MIN	15.40	15.65	16.20	16.20	17.45	14.95	14.50	14.20	13.10	13.00	13.90	15.30
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 15.93.

HIGHEST STAGE WAS 18.80 ON APR 15.

LOWEST STAGE WAS 13.00 ON OCT 1 AND LATER DATE(S).

## DAILY STAGE FOR 1993

## BAYOU COURTABLEAU OUTLET CHANNEL NEAR SOUTHEAST WING WALL (LA.)

LOCATION. LAT. 30-31-58, LONG. 91-51-20, ON SOUTHEAST WINGWALL OF DRAINAGE STRUCTURE, 1.7 MILES SOUTHEAST OF COURTABLEAU, LA. (STA. 4675012E.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. INTERMITTENTLY, 1956 TO 1957. DAILY, MAR. 17, 1957 TO DATE.

EXTREMES. HIGHEST, 22.95 FEET ON MAY 26 AND 27, 1973. LOWEST, 8.70 FEET ON SEP. 24 AND LATER DATES IN 1980.

## DAILY SEVEN A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	14.70	17.65	15.70	16.20	17.90	17.30	15.90	13.00	14.20	11.25	11.50	15.60
2	14.75	17.40	15.80	16.15	18.00	17.30	15.00	12.90	14.10	11.20	11.40	15.50
3	14.70	17.20	17.40	16.30	18.40	17.25	14.90	13.00	14.05	11.15	11.45	15.10
4	14.65	17.10	17.35	16.50	18.50	17.10	14.70	13.10	13.90	11.10	11.50	15.00
5	14.50	16.95	17.30	17.40	18.55	17.00	14.40	13.20	13.80	11.00	11.55	15.10
6	14.60	16.70	17.20	17.45	18.60	16.90	14.30	13.25	13.70	11.05	11.50	15.20
7	15.10	16.60	17.15	17.30	18.55	16.70	14.20	13.40	13.60	11.10	11.45	15.30
8	16.10	16.50	17.10	17.80	18.60	16.50	14.10	13.50	13.55	11.15	11.40	15.20
9	17.40	16.30	16.60	18.20	18.60	16.30	14.00	13.60	13.10	11.20	11.45	15.10
10	17.30	16.10	16.50	18.40	18.50	16.10	13.95	13.65	13.15	11.30	11.50	14.50
11	17.25	16.00	16.45	18.50	18.50	15.90	13.90	13.60	12.20	11.40	11.40	15.40
12	17.40	16.25	16.40	18.35	18.40	15.60	13.80	13.65	12.30	11.50	11.35	15.45
13	17.50	15.80	16.45	18.50	18.35	15.40	13.70	13.60	12.35	11.55	11.35	15.50
14	17.55	15.50	16.40	18.45	18.30	15.30	13.65	13.80	12.30	11.50	11.40	16.70
15	17.50	15.30	16.35	18.60	18.30	15.20	13.80	13.85	12.20	11.40	13.30	16.80
16	17.40	15.25	15.70	18.55	18.20	15.10	13.70	13.90	12.15	11.60	17.30	16.60
17	17.30	15.30	16.20	18.50	18.10	14.90	13.60	14.05	12.10	11.80	17.30	16.30
18	17.20	16.70	16.15	18.45	18.00	14.80	13.50	14.15	12.00	11.80	17.30	16.00
19	17.10	15.20	16.10	18.50	18.00	14.80	13.45	14.20	11.90	11.95	17.20	15.70
20	17.00	15.00	16.20	18.45	17.95	14.85	13.30	14.30	11.85	11.90	17.10	15.60
21	18.00	14.80	16.10	18.40	17.85	14.90	13.20	14.35	11.80	11.85	16.20	15.50
22	18.30	14.60	16.00	18.35	17.80	14.90	13.10	14.40	11.70	11.80	16.60	15.30
23	18.25	14.50	16.10	18.30	17.75	14.40	13.00	14.30	11.65	11.70	16.50	15.60
24	18.20	14.30	16.20	18.20	17.70	14.10	12.90	14.25	11.60	11.65	16.40	15.50
25	18.25	14.20	16.40	18.15	17.65	16.20	12.85	14.30	11.50	11.60	16.50	15.50
26	18.30	14.50	16.50	18.10	17.65	15.40	12.80	14.25	11.40	11.55	16.00	15.45
27	18.10	16.30	16.30	18.00	17.60	15.40	12.75	14.20	11.30	11.50	15.90	15.45
28	18.00	16.20	16.50	18.00	17.60	15.45	12.70	14.30	11.40	11.45	15.80	15.20
29	17.90	-----	16.40	17.95	17.50	16.00	12.75	14.40	11.35	11.40	15.70	15.10
30	17.75	-----	16.35	17.90	17.40	16.00	12.70	14.35	11.30	11.50	15.00	15.40
31	17.70	-----	16.30	-----	17.40	-----	12.85	14.30	-----	11.55	-----	14.70

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	16.96	15.86	16.44	17.93	18.07	15.77	13.66	13.84	12.45	11.47	14.01	15.50
MAX	18.30	17.65	17.40	18.60	18.60	17.30	15.90	14.40	14.20	11.95	17.30	16.80
MIN	14.50	14.20	15.70	16.15	17.40	14.10	12.70	12.90	11.30	11.00	11.35	14.50
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 15.60.

HIGHEST STAGE WAS 18.60 ON APR 15 AND LATER DATE(S).

LOWEST STAGE WAS 11.20 ON OCT 2.

## DAILY STAGE FOR 1993

WABPL (FWS) AT CLEON, LA.

LOCATION. LAT. 30-19-42, LONG. 91-47-15. ON TEXAS OIL CO. WHARF, 300 FEET NORTH OF INTERSTATE 10 OVERPASS. (STA. 4912012D.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. DAILY, DEC. 5, 1934 TO OCT. 12, 1935, 1937 TO 1938, AND MAR. 22, 1957 TO DATE. INTERMITTENTLY, 1940 TO 1945.

EXTREMES. HIGHEST, 25.6 FEET FROM APR. 23 TO MAY 3, 1945. LOWEST, (FROM INCOMPLETE RECORD) 4.01 FEET ON NOV. 24, 1967.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	14.50	17.45	13.29	16.33	17.98	17.42	13.70	13.02	14.14	9.65		13.55
2	14.55	17.33	13.41	16.30	18.06	17.33	13.64	13.10	14.04	9.79		13.70
3	14.58	17.20	13.63	16.23	18.23	17.24	13.52	13.16	13.90	9.94		13.77
4	14.60	17.05	14.00	16.48	18.38	17.14	13.36	13.19	13.76	10.08		13.85
5	14.66	16.89	14.39	16.67	18.46	16.97	13.24	13.26	13.58	10.24		13.86
6	14.66	16.75	14.71	16.83	18.54 F	16.84	13.06	13.35	13.36	10.42		13.85
7	14.70	16.60	14.99	17.00	18.56		12.89	13.42	13.19	10.63		13.86
8	15.00	16.44	15.21	17.45	18.59		12.74	13.55	12.95	10.80		13.84
9	15.15	16.27	15.36	17.78	18.59		12.59	13.64	12.69	10.99		13.82
10	15.40	16.07	15.42	17.97	18.60		12.43	13.74	12.44	11.16		13.91
11	15.64	15.92	15.47	18.11	18.58		12.44	13.81	12.19	11.31		13.96
12	15.87	15.78	15.50	18.23	18.51		12.33	13.88	11.94	11.46		14.04
13	16.07	15.40	15.60	18.31	18.45		12.25	13.95	11.70	11.56		14.10
14	16.32	15.02	15.64	18.35	18.37		12.19	14.01	11.54	11.70		14.36
15	16.50	14.77	15.65	18.54	18.27 F	14.80	12.16	14.07	11.42	11.82		14.62
16	16.63	14.64	15.63	18.64	18.21		12.18	14.14	11.26	11.89		14.85
17	16.70	14.64	15.67	18.65	18.13	14.35	12.20	14.21	11.09	11.94		15.00
18	16.74	14.64	15.74	18.65	18.07	14.15	12.25	14.26	10.94	11.94 F	11.20	15.10
19	16.74	14.50	15.80	18.62	18.06	14.02	12.28	14.30	10.80	11.85	11.50	15.16
20	17.15	14.30	15.87	18.59	18.03	13.87	12.32	14.35	10.70	11.69	11.84	15.17
21	17.63	14.08	15.92	18.56	17.95	13.79	12.35	14.42	10.58	11.50	12.11	15.18
22	17.75	13.92	15.95	18.51	17.89	13.75	12.40		10.46	11.29	12.23	15.15
23	17.85	13.74	16.00	18.43	17.85	13.65	12.50 F	14.44	10.36	11.04	12.32	15.17
24	17.90	13.54	16.10	18.35	17.79	13.65	12.55	14.46	10.26	10.78	12.45	15.15
25	17.92	13.35	16.16	18.29	17.76	13.64	12.60	14.44	10.03	10.56	12.64	15.09
26	17.90	13.35	16.31	18.23	17.75	13.70	12.66	14.42	9.80	10.38	12.80	15.00
27	17.85	13.28	16.36	18.17	17.72	13.69	12.65	14.39	9.77	10.10	12.99	14.86
28	17.82	13.27	16.40	18.10	17.66	13.69	12.71	14.36	9.64		13.16	14.70
29	17.74	-----	16.42	18.05	17.62	13.69	12.79	14.34	9.55		13.31	14.56
30	17.67	-----	16.39	18.00	17.56	13.70	12.90	14.27	9.56		13.45	14.37
31	17.56	-----	16.35	-----	17.47	-----	12.95	14.20	-----	-----	-----	14.15

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	16.38	15.22	15.46	17.88	18.12	14.81	12.67	13.94	11.59	10.98	12.46	14.44
MAX	17.92	17.45	16.42	18.65	18.60	17.42	13.70	14.46	14.14	11.94	13.45	15.18
MIN	14.50	13.27	13.29	16.23	17.47	13.64	12.16	13.02	9.55	9.65	11.20	13.55
DAYS	31	28	31	30	31	21	31	30	30	27	13	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 334

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 14.63.

HIGHEST STAGE WAS 18.65 AT 8:00 A.M. ON APR 17 AND LATER DATE(S).

LOWEST STAGE WAS 9.52 ON SEP 29.

## DAILY STAGE FOR 1993

## WABPL BORROW PIT (FWS) AT BAYOU MERISIER (LA.)

LOCATION. LAT. 30-14-00, LONG. 91-41-55. NORTH (150 FEET) OF PUBLIC BOAT LAUNCH, 1.7 MILES NORTH OF CATAHOULA, LA. (STA. 4915012D.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1945 TO 1950, 1957 AND 1961. DAILY DURING HIGH WATER, JAN. 1966 TO 1969 AND FEB. 23, 1973 TO 1979. DAILY 1980 TO DATE.

EXTREMES. HIGHEST, 23.05 FEET ON MAY 26, 1973. LOWEST, MINUS 0.12 FOOT ON DEC. 24, 1989.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	13.92		12.14			16.55	12.64	12.62	13.35	9.45		13.05
2	13.97		12.38			16.47	12.50	12.65	13.15	9.57		13.04
3	14.10		12.75			16.30	12.35	12.72	12.95	9.75		13.08
4	14.05 F	15.28	13.20			16.15	12.23	12.80	12.60	9.85		13.08
5	14.08		13.52		F 17.32	15.95	12.08	12.89	12.32	10.10		13.15
6			13.50			15.64	11.84	12.99	11.95	10.40		13.06
7			13.95			15.35	11.73	13.06	11.65	10.69		13.06
8			14.10			15.05	11.75	13.15	11.40	10.80		13.04
9		F 14.60	14.35			14.70	11.53	13.25	10.95	10.95 F	6.50	13.05
10		14.12				14.45	11.40	13.35	10.59	11.16		13.12
11		13.94				14.15	11.37	13.44	10.49	11.30		13.35
12		13.77				13.95	11.48	13.47	10.27	11.30		13.39
13		13.45			F 17.28	13.68	11.50	13.52	10.08	11.44		13.38
14		13.17			17.31	13.44	11.45	13.60	9.49	11.50		13.70
15		13.06		17.38	17.27	13.20	11.54	13.65	9.25	11.54		13.85
16		12.70			17.23	12.95	11.58	13.64	9.06	11.52		14.10
17		12.48			17.20	12.85	11.56	13.70	8.90	11.60		14.19
18		12.30			17.17	12.75	11.66	13.75	9.10	11.55		14.20
19		12.09			17.20	12.70	11.70	13.74	8.95	11.30		14.25
20		11.92			17.17	12.66	11.74	13.70	8.96	10.77		14.30
21	F 16.13	11.84			17.12	12.75	11.80	13.74	8.96	10.40		14.39
22		11.90 F	15.20 F	17.38	17.10	12.78	11.85	13.74	8.90	10.06		14.26
23		12.07			17.05	12.90	11.91	13.80	8.90 F	9.85		14.26
24		11.76			16.87	13.01	12.00	13.85	8.90			14.15
25		12.22			17.00	12.95	12.05	13.75	9.10			14.05
26		12.15		17.34	16.89	12.90	12.08	13.80	9.10			13.75
27		12.22			16.80	12.80	12.20	13.77	9.20			13.45
28	F 15.90	12.21			16.80	12.75	12.30	13.65	9.10			13.04
29		-----	F 15.60 F	17.10	16.73	12.85	12.35	13.65	9.15			12.65
30		-----			16.74	12.70	12.39	13.55	9.20		F 12.90	12.26
31		-----		-----	16.65	-----	12.54	13.50	-----		-----	12.10

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	14.59	12.82	13.70	17.30	17.04	13.91	11.91	13.44	10.20	10.73	9.70	13.48
MAX	16.13	15.28	15.60	17.38	17.32	16.55	12.64	13.85	13.35	11.60	12.90	14.39
MIN	13.92	11.76	12.14	17.10	16.65	12.66	11.37	12.62	8.90	9.45	6.50	12.10
DAYS	7	21	11	4	20	30	31	31	30	23	2	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 241

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 12.97.

HIGHEST STAGE WAS NOT DETERMINED.

LOWEST STAGE WAS NOT DETERMINED.

## DAILY STAGE FOR 1993

## WABPL (FWS) AT LOWER GRAND BAYOU (LA.)

LOCATION. LAT. 30-04-30, LONG. 91-37-13. ON RIGHT BANK OF LOWER GRAND BAYOU AT TEXACO OIL COMPANY DOCK AT DAUTERIVE LANDING, LA. (STA. 4919512D.)

GAGE. STAFF TYPE.

GENERAL INFORMATION. PRIOR TO 1973 GAGE ZERO WAS MINUS 0.45 FOOT, NGVD

RECORDS AVAILABLE. INTERMITTENTLY, 1933 TO 1943. DAILY, JUNE 1, 1944 TO DATE.

EXTREMES. HIGHEST, 21.20 FEET ON MAY 22 AND LATER DATES IN 1973. LOWEST, MINUS 0.35 FOOT ON JAN. 21, 1981.

## DAILY EIGHT A.M. STAGE IN FEET

## GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	11.6	12.6	10.2	12.2	14.9	13.9	11.0	10.9	11.4	7.8	7.5	10.8
2	11.8	12.5	10.2	12.2	14.8	13.8	10.7	11.0	11.4	8.0	7.4	11.0
3	11.9	12.4	10.4	12.1	14.7	13.6	10.4	11.1	11.2	8.2	7.1	11.1
4	11.9	12.3	10.6	12.3	14.6	13.4	10.1	11.2	11.1	8.4	6.9	11.0
5	11.8	12.1	10.8	12.4	14.5	13.3	10.1	11.3	11.0	8.6	6.7	11.0
6	11.8	12.0	11.0	12.6	14.5	13.0	9.9	11.3	10.5	8.8	6.6	10.9
7	11.9	11.9	11.1	12.8	14.4	12.8	9.7	11.4	10.0	9.0	6.1	10.9
8	11.8	11.7	11.1	13.0	14.4	12.5	9.6	11.6	9.4	9.4	5.9	11.0
9	11.7	11.6	11.2	13.2	14.3	12.3	9.5	11.7	9.1	9.6	5.9	11.1
10	11.8	11.4	11.2	13.3	14.3	12.1	9.5	11.8	8.8	9.8	5.8	11.2
11	11.9	11.3	11.3	13.5	14.2	12.0	9.6	11.9	8.5	9.9	5.9	11.2
12	12.0	11.1	11.4	13.6	14.2	11.8	9.6	12.1	8.3	9.9	5.9	11.3
13	12.0	11.0	11.4	13.7	14.1	11.7	9.5	12.1	8.1	10.0	5.7	11.3
14	12.1	11.0	11.5	13.8	14.1	11.6	9.5	12.1	8.0	10.1	5.8	11.4
15	12.2	10.9	11.6	13.9	14.0	11.5	9.6	12.2	8.0	10.1	6.1	11.7
16	12.3	10.6	11.7	14.0	14.0	11.4	9.6	12.2	7.8	10.1	6.3	11.9
17	12.3	10.4	11.8	14.2	14.1	11.3	9.5	12.3	7.6	9.9	6.4	12.0
18	12.4	10.2	11.9	14.4	14.2	11.3	9.6	12.3	7.5	9.7	6.5	12.2
19	12.4	10.1	12.0	14.5	14.2	11.4	9.7	12.3	7.5	9.5	6.7	12.2
20	12.7	10.0	12.2	14.6	14.3	11.5	9.8	12.3	7.5	9.1	6.8	12.1
21	12.8	10.0	12.2	14.6	14.2	11.7	9.9	12.1	7.6	8.7	7.2	12.2
22	12.9	10.1	12.5	14.7	14.2	11.8	10.0	12.0	7.6	8.5	7.9	12.0
23	13.0	10.1	12.6	14.8	14.3	11.9	10.1	11.9	7.6	8.3	8.2	11.9
24	13.0	10.0	12.6	14.9	14.3	11.8	10.2	11.8	7.5	8.1	8.6	11.7
25	12.9	10.0	12.6	14.9	14.3	11.8	10.3	11.7	7.6	8.0	9.0	11.6
26	12.9	10.1	12.5	14.8	14.4	11.7	10.4	11.6	7.7	8.0	9.3	11.5
27	12.8	10.1	12.5	14.8	14.4	11.5	10.5	11.6	7.7	7.9	9.5	11.7
28	12.7	10.1	12.4	14.9	14.2	11.3	10.6	11.6	7.5	7.9	10.0	11.3
29	12.8	-----	12.4	14.9	14.0	11.2	10.6	11.6	7.6	7.9	10.3	11.1
30	12.7	-----	12.3	15.0	14.0	11.4	10.7	11.5	7.6	8.0	10.5	10.8
31	12.7	-----	12.3	-----	13.9	-----	10.8	11.5	-----	7.5	-----	10.4

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	12.3	11.0	11.7	13.8	14.3	12.1	10.0	11.7	8.6	8.9	7.3	11.4
MAX	13.0	12.6	12.6	15.0	14.9	13.9	11.0	12.3	11.4	10.1	10.5	12.2
MIN	11.6	10.0	10.2	12.1	13.9	11.2	9.5	10.9	7.5	7.5	5.7	10.4
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 11.1.

HIGHEST STAGE WAS 15.0 ON APR 30.

LOWEST STAGE WAS 5.7 ON NOV 13.

## DAILY STAGE FOR 1993

ARM OF GRAND LAKE NEAR CROOK CHENE COVE (LA.)

LOCATION. LAT. 30-04-35, LONG. 91-31-33. ON TOWER IN CANAL EIGHT MILES WEST OF GRAND LAKE.  
(STA. 4919712D.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. DAILY, JAN. 23, 1976 TO MAY 27, 1976 AND MAR. 17, 1977 TO DATE.

EXTREMES. HIGHEST, 17.26 FEET ON JUN. 4, 1983. LOWEST, 3.81 FEET ON NOV. 3 AND 4, 1983.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	12.17	13.40	10.37	13.80	15.40	14.74	11.02	11.47	12.10	8.88	9.12	11.20
2	12.35	13.35	10.50	13.75	15.54	14.62	10.94	11.55	11.96	8.96	8.96	11.46
3	12.46	13.30	10.72	13.68	15.53	14.46	10.84	11.65	11.81	9.08	8.85	11.62
4	12.56	13.25	10.96	13.99	15.44	14.27	10.76	11.70	11.63	9.19	8.71	11.71
5	12.62	13.17	11.20	13.96	15.36	14.02	10.65	11.81	11.42	9.32	8.64	11.70
6	12.60	13.13	11.44	13.90	15.32	13.74	10.56	11.91	11.16	9.61	8.55	11.68
7	12.55	13.03	11.63	13.88	15.31	13.47	10.43	12.00	10.94	9.84	8.40	11.66
8	12.60	12.92	11.80	14.25	15.30	13.21	10.32	12.15	10.66	10.07	8.25	11.66
9	12.54	12.81	11.91	14.43	15.29	12.92	10.29	12.27	10.40	10.26	8.19	11.66
10	12.55	12.65	12.02	14.44	15.26	12.60	10.25	12.35	10.17	10.45	8.12	11.69
11	12.64	12.56	12.09	14.53	15.22	12.28	10.24	12.43	9.90	10.57	8.01	11.84
12	12.60	12.35	12.12	14.60	15.15	12.03	10.15	12.51	9.74	10.69	7.90	11.89
13	12.60	12.11	12.20	14.65	15.14	11.78	10.15	12.56	9.54	10.82	7.85	11.97
14	12.65	11.82	12.20	14.79	15.14	11.53	10.15	12.63	9.45	10.95	7.74	12.14
15	12.80	11.48	12.31	15.06	15.14	11.30	10.15	12.66	9.47	11.01	7.71	12.20
16	12.88	11.28	12.41	15.06	15.18	11.12	10.30	12.70	9.34	11.01	7.75	12.32
17	12.97	10.95	12.60	15.07	15.21	11.00	10.33	12.76	9.20	10.99	7.85	12.43
18	13.04	10.72	12.72	15.10	15.28	10.95	10.36	12.78	9.09	10.94	7.85	12.53
19	13.08	10.58	12.90	15.14	15.37	11.05	10.40	12.78	9.03	10.83	7.86	12.63
20	13.30	10.44	13.13	15.16	15.39	11.05	10.51	12.77	9.03	10.66	7.90	12.68
21	13.67	10.35	13.26	15.23	15.37	11.08	10.55	12.79	8.99	10.47	7.95	12.70
22	13.68	10.33	13.40	15.29	15.36	11.11	10.62	12.80	8.94	10.23	8.03	12.70
23	13.69	10.30	13.54	15.32	15.38	11.12	10.71	12.76	8.88	9.97	8.17	12.79
24	13.68	10.30	13.67	15.38	15.41	11.17	10.80	12.70	8.86	9.75	8.44	12.77
25	13.65	10.29	13.76	15.42	15.37	11.20	10.85	12.62	8.82	9.64	8.85	12.67
26	13.61	10.35	13.83	15.44	15.32	11.20	10.92	12.54	8.79	9.56	9.32	12.55
27	13.56	10.36	13.86	15.43	15.27	11.19	10.99	12.48	8.89	9.45	9.80	12.36
28	13.52	10.36	13.87	15.43	15.19	11.16	11.08	12.46	8.86	9.30	10.29	12.10
29	13.50	-----	13.87	15.39	15.06	11.12	11.17	12.40	8.86	9.11	10.66	11.80
30	13.50	-----	13.88	15.36	14.95	11.09	11.29	12.30	8.86	9.43	10.96	11.39
31	13.45	-----	13.86	-----	14.85	-----	11.36	12.24	-----	9.29	-----	11.04

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	13.00	11.71	12.52	14.76	15.27	12.12	10.62	12.37	9.83	10.01	8.56	12.05
MAX	13.69	13.40	13.88	15.44	15.54	14.74	11.36	12.80	12.10	11.01	10.96	12.79
MIN	12.17	10.29	10.37	13.68	15.85	10.95	10.15	11.47	8.79	8.88	7.71	11.04
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 11.91.  
 HIGHEST STAGE WAS 15.56 AT 10:00 P.M. ON MAY 1.  
 LOWEST STAGE WAS 7.70 ON NOV 15.

## DAILY STAGE FOR 1993

## BUFFALO COVE AT ROUND ISLAND (LA.)

LOCATION. LAT. 29-59-00, LONG. 91-31-30. ON SOUTHEAST SIDE OF ROUND ISLAND. (STA. 4923513.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. FEB. 26, 1976 TO DATE.

EXTREMES. HIGHEST, 14.98 FEET ON JUN. 3, 1983. LOWEST, (FROM INCOMPLETE RECORD) 0.11 FOOT ON OCT. 17 AND 18, 1976.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	10.43	11.52	8.63	11.92	13.35	12.80	9.34	9.80	10.38	7.19	7.10	9.60
2	10.57	11.46	8.75	11.86	13.49	12.68	9.24	9.87		7.34	6.94	9.80
3	10.66	11.40	9.07	11.84	13.47	12.54	9.14	9.94		7.46	6.84	9.89
4	10.74	11.37	9.32	12.09	13.39	12.35	9.05	10.00		7.56	6.69	9.94
5	10.81	11.32	9.55	12.06	13.32	12.13	8.99	10.11		7.71	6.59	9.92
6	10.78	11.27	9.73	12.01	13.28	11.88	8.85	10.20		7.92	6.41	9.90
7	10.70	11.17	9.88	12.00	13.27	11.61	8.72	10.29		8.15	6.13	9.90
8	10.76	11.06	10.02	12.34	13.27	11.36	8.65	10.42		8.36	5.95	9.90
9	10.70	10.95	10.13	12.50	13.26	11.11	8.60	10.52		8.55	5.84	9.89
10	10.80	10.80	10.23	12.52	13.24	10.77	8.56	10.60		8.70	5.70	9.96
11	10.83	10.69	10.30	12.58	13.20	10.46	8.55	10.67		8.80	5.58	10.10
12	10.80	10.49	10.34	12.65	13.15	10.22	8.50	10.74		8.90	5.52	10.15
13	10.80	10.23	10.41	12.70	13.12	9.99	8.50	10.79		9.01	5.53	10.22
14	10.84	9.90	10.41	12.80	13.12	9.76	8.52	10.85		9.12	5.50	10.39
15	10.99	9.57	10.50	13.08	13.12	9.55	8.55	10.90		9.15	5.65	10.46
16	11.08	9.35	10.62	13.08	13.15	9.39	8.67	10.93		9.13	5.74	10.56
17	11.15	9.10	10.78	13.09	13.18	9.29	8.71	10.95		9.06	5.96	10.66
18	11.21	8.87	10.90	13.10	13.25	9.24	8.76	10.96		8.97	6.01	10.75
19	11.24	8.70	11.06	13.12	13.32	9.35	8.80	10.96		8.85	6.13	10.83
20	11.44	8.57	11.24	13.16	13.34	9.35	8.84	10.95		8.64	6.23	10.89
21	11.82	8.50	11.38	13.22	13.33	9.37	8.89	10.96		8.40	6.30	10.90
22	11.83	8.51	11.48	13.24	13.31	9.39	8.97	10.96		8.09	6.56	10.90
23	11.84	8.51	11.60	13.27	13.34	9.43	9.08	10.94	F 7.09	7.80	6.94	10.94
24	11.84	8.50	11.75	13.33	13.35	9.51	9.14	10.89	7.05	7.66	7.42	10.91
25	11.81	8.49	11.87	13.36	13.34	9.55	9.20	10.81	7.02	7.62	7.82	10.82
26	11.75	8.60	11.95	13.38	13.29	9.54	9.26	10.74	7.01	7.56	8.14	10.66
27	11.67	8.60	11.97	13.37	13.25	9.50	9.34	10.69	7.12	7.35	8.50	10.47
28	11.64	8.60	11.99	13.37	13.16	9.47	9.42	10.66	7.09	7.15	8.82	10.20
29	11.62	-----	11.99	13.35	13.07	9.45	9.51	10.60	7.08	7.12	9.10	9.85
30	11.62	-----	11.99	13.33	12.99	9.40	9.61	10.51	7.10	7.49	9.35	9.48
31	11.57	-----	11.96	-----	12.90	-----	9.70	10.45	-----	7.29	-----	9.15

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	11.17	9.86	10.70	12.79	13.25	10.35	8.96	10.60	7.44	8.13	6.70	10.26
MAX	11.84	11.52	11.99	13.38	13.49	12.80	9.70	10.96	10.38	9.15	9.35	10.94
MIN	10.43	8.49	8.63	11.84	12.90	9.24	8.50	9.80	7.01	7.12	5.50	9.15
DAYS	31	28	31	30	31	30	31	31	9	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 344

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 10.18.

HIGHEST STAGE WAS 13.50 AT 9:00 P.M. ON MAY 1.

LOWEST STAGE WAS 5.45 ON NOV 14.



## DAILY STAGE FOR 1993

## BAYOU FORDOCHE NEAR KROTZ SPRINGS, LA.

LOCATION. LAT. 30-29-10, LONG. 91-48-40. ON BRIDGE (IN OIL AND GAS FIELD) BELOW JUNCTION WITH BAYOU COURTABLEAU, FIVE MILES SOUTHWEST OF KROTZ SPRINGS, LA. (STA. 4925512D.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JAN. 13, 1954 TO DATE.

EXTREMES. HIGHEST, 23.28 FEET ON MAY 27, 1973. LOWEST, (FROM INCOMPLETE RECORD) 9.90 FEET ON SEP. 14, 1979.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	16.40	18.55	16.90	17.20	18.79	18.23	16.93	14.14	15.12	13.56	13.53	16.61
2	16.27	18.44	17.11	17.14	18.87	18.16	16.72	14.10	15.04	13.54	13.53	16.46
3	16.21	18.32	17.65	17.09	19.13	18.09	16.59	14.14	14.94	13.52	13.52	16.24
4	16.12	18.17	17.79	17.45	19.30	17.99	16.46	14.19	14.90	13.47	13.72	16.15
5	16.11	18.02	17.83	17.90	19.37	17.88	16.31	14.29	14.73	13.46	14.03	16.19
6	16.07	17.87	17.84	18.06	19.42	17.74	16.13	14.36	14.57	13.45	14.15	16.17
7	16.34	17.71	17.83	18.11	19.45	17.56	15.91	14.41	14.44	13.44	14.17	16.17
8	17.31	17.55	17.83	18.54	19.48	17.39	15.67	14.55	14.30	13.42	14.14	16.11
9	17.77	17.35	17.75	18.97	19.49	17.20	15.46	14.60	14.15	13.40	14.12	15.99
10	17.90	17.16	17.66	19.15	19.50	17.00	15.31	14.69	14.04		14.02	15.76
11	18.00	17.07	17.59	19.26	19.46	16.79	15.68	14.76	13.95		13.99	16.17
12	18.18	17.12	17.50	19.32	19.40	16.60	15.81	14.84	13.86		13.96	16.40
13	18.32	17.00	17.49	19.36	19.33	16.40	16.01	14.90	13.84		13.95	16.44
14	18.39	16.87	17.40	19.39	19.25	16.22	15.95	14.95	13.84		13.96	17.15
15	18.39	16.73	17.31	19.54	19.15	16.00	15.89	15.01	13.84		16.05	17.33
16	18.35	16.74	17.07	19.54	19.07	15.81	15.81	15.11	13.82		17.48	17.35
17	18.30	16.72	17.19	19.55	18.99	15.61	15.74	15.14	13.80		17.82	17.30
18	18.21	17.00	17.18	19.53	18.91	15.44	15.67	15.19	13.77	13.29	17.90	17.16
19	18.10	16.73	17.15	19.50	18.90	15.35	15.60	15.24	13.76	13.29	17.92	17.00
20	18.42	16.60	17.13	19.47	18.85	15.24	15.52	15.26	13.75	13.26	17.93	16.86
21	19.01	16.49	17.06	19.41	18.78	15.29	15.42	15.30	13.70	13.27	17.80	16.72
22	19.13	16.41	17.02	19.35	18.72	15.40	15.39	15.34	13.69	13.29	17.79	16.56
23	19.19	16.29	17.03	19.27	18.67	15.40	15.34	15.53	13.66	13.26	17.74	16.60
24	19.20	16.12	17.12	19.19	18.63	15.83	15.23	15.43	13.65	13.25	17.65	16.59
25	19.15	16.03	17.20	19.12	18.59	16.55	15.05	15.41	13.63	13.25	17.46	16.56
26	19.11	16.50	17.31	19.04	18.56	16.56	14.85	15.37	13.60	13.24	17.34	16.50
27	19.04	16.95	17.32	18.96	18.53	16.62		15.34	13.66	13.21	17.20	16.40
28	18.98	17.02	17.33	18.90	18.49	16.76	14.50	15.33	13.64	13.20	17.05	16.26
29	18.88	-----	17.34	18.85	18.45	16.93	14.38	15.29	13.61	13.34	16.89	16.19
30	18.77	-----	17.29	18.81	18.38	16.93	14.27	15.24	13.60	13.56	16.67	16.30
31	18.66	-----	17.25	-----	18.32	-----	14.20	15.19	-----	13.55	-----	16.11

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	18.01	17.13	17.37	18.83	18.98	16.63	15.59	14.92	14.03	13.37	15.78	16.51
MAX	19.20	18.55	17.84	19.55	19.50	18.23	16.93	15.53	15.12	13.56	17.93	17.35
MIN	16.07	16.03	16.90	17.09	18.32	15.24	14.20	14.10	13.60	13.20	13.52	15.76
DAYS	31	28	31	30	31	30	30	31	30	23	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 356

THE MEAN STAGE FOR THE YEAR WAS 16.50.

HIGHEST STAGE WAS 19.55 AT 8:00 A.M. ON APR 17.

LOWEST STAGE WAS 13.19 ON OCT 28 AND LATER DATE(S).

## DAILY STAGE FOR 1993

## ALABAMA BAYOU (FWS) AT SHERBURNE, LA.

LOCATION. LAT. 30-42-40, LONG. 91-30-56. ON LEFT BANK AT HEAD. (STA. 4940012B.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JAN. 1972 TO DATE.

EXTREMES. HIGHEST, 29.40 FEET ON MAY 24, 1973. LOWEST, (FROM INCOMPLETE RECORD) 9.67 FEET ON OCT. 22, 1991.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	16.34	17.19	16.35	15.97	16.06	15.16	15.17	11.25	11.06			13.68
2	16.25	17.09	16.56	15.89	16.18	15.13	15.10	11.16	11.25		F 10.25	13.45
3	16.17	17.00	16.84	15.82	16.36	15.07	15.01	11.06	11.16			13.25
4	16.09	16.91	16.93	16.30	16.47	15.04	14.89	11.11	11.24			13.10
5	16.01	16.83	17.00	16.56	16.55	14.99	14.79	10.98	11.05			13.12
6	15.95	16.75	17.05	16.65	16.60	14.95	14.67	10.96	11.09			13.23
7	15.89	16.67	17.05	16.70	16.63	14.89	14.56	10.96	11.12	F 9.57		13.25
8	16.75	16.60	17.02	17.30	16.63	14.84	14.42	11.13	11.10			13.19
9	16.86	16.52	16.96	17.55	16.59	14.79	14.37	11.14				13.09
10	16.94	16.44	16.88	17.56	16.53	14.73	14.22	11.14				12.95
11	17.07	16.40	16.80	17.60	16.44	14.66	14.25	11.28				13.20
12	17.22	16.40	16.70	17.63	16.34	14.61	14.50	11.34				
13	17.27	16.40	16.71	17.62	16.24	14.55	14.56	11.36				
14	17.30	16.39	16.65	17.56	16.16	14.49	14.45	11.44		F	11.00	F 15.02
15	17.31	16.35	16.58	17.59	16.07	14.41	14.25	11.49			11.98	15.51
16	17.30	16.33	16.52	17.49	15.97	14.39	14.02	11.59			13.60	15.71
17	17.25	16.34	16.55	17.40	15.88	14.31	13.81	11.66			14.95	15.76
18	17.19	16.34	16.52	17.32	15.80	14.25	13.64	11.72			15.49	15.74
19	17.10	16.33	16.48	17.20	15.73	14.25	13.48	11.77	F 9.58		15.70	15.67
20	17.45	16.29	16.41	17.09	15.65	14.23	13.26	11.80			15.76	15.61
21	18.07	16.21	16.36	16.99	15.57	14.31	13.02	11.86			15.76	15.54
22	17.99	16.17	16.30	16.86	15.49	14.42	12.78	11.92			15.64	15.43
23	17.95	16.10	16.24	16.76	15.42	14.45	12.56	11.96	F 9.94		15.48	15.40
24	17.90	16.01	16.22	16.65	15.36	14.59	12.36	11.95			15.34	15.39
25	17.86	15.92	16.20	16.56	15.31	14.84	12.19	11.91			15.15	15.34
26	17.78	16.12	16.17	16.46	15.26	14.93	12.02	11.88			14.94	15.25
27	17.69	16.25	16.19	16.36	15.24	14.99	11.84	11.25			14.71	15.14
28	17.58	16.33	16.19	16.25	15.23	15.17	11.72	11.09			14.44	14.99
29	17.48	-----	16.16	16.16	15.24	15.24	11.56	11.11			14.18	14.94
30	17.39	-----	16.11	16.08	15.22	15.24	11.46	11.05			13.93	14.96
31	17.29	-----	16.05	-----	15.19	-----	11.31	11.08	-----		-----	14.98

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	17.12	16.45	16.54	16.86	15.92	14.73	13.56	11.40	11.00	9.58	14.35	14.55
MAX	18.07	17.19	17.05	17.63	16.63	15.24	15.17	11.96	11.25	9.58	15.76	15.76
MIN	15.89	15.92	16.05	15.82	15.19	14.23	11.31	10.96	9.94	9.57	10.25	12.95
DAYS	31	28	31	30	31	30	31	31	9	2	18	29

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 301

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 15.01.

HIGHEST STAGE WAS 18.34 AT 4:00 P.M. ON JAN 20.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 9.57 ON OCT 7.

## DAILY STAGE FOR 1993

## UPPER GRAND RIVER AT LITTLE TENSAS BAYOU (LA.)

LOCATION. LAT. 30-14-23, LONG. 91-31-35. ON TOWER (RIGHT BANK) OF LITTLE TENSAS BAYOU,  
ABOUT 300 FEET SOUTH OF JUNCTION WITH UPPER GRAND RIVER. (STA. 4944012D.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JAN. 1971 TO JAN. 1993.

EXTREMES. HIGHEST, 23.62 FEET ON MAY 23, 1973. LOWEST, (FROM INCOMPLETE RECORD) 1.10 FEET ON  
OCT. 9, 1976.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	14.80											
2	14.82											
3	14.81											
4	14.79											
5	14.63											
6	14.48											
7	14.28											
8	14.38											
9	14.41											
10	14.46											
11	14.47											
12	14.62											
13	14.85											
14	15.06											
15	15.17											
16	15.25											
17	15.33											
18	15.33											
19	15.34											
20	S											
21												
22												
23												
24												
25												
26												
27												
28												
29		-----										
30		-----										
31		-----		-----		-----			-----		-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	14.80											
MAX	15.34											
MIN	14.28											
DAYS	19	0	0	0	0	0	0	0	0	0	0	0

S=DISCONTINUED

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 19

THE MEAN STAGE FOR THE YEAR WAS 14.80.

HIGHEST STAGE WAS NOT DETERMINED.

LOWEST STAGE WAS NOT DETERMINED.

## DAILY STAGE FOR 1993

EABPL BORROW PIT (FWS) AT DIXIE BAYOU (LA.)

LOCATION. LAT. 30-27-28, LONG. 91-32-35. AT MILEPOST 29, 4.5 MILES NORTH OF RAMAH, LA.  
(STA. 4951012D.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. INTERMITTENTLY, 1945 TO 1946, 1949 TO 1950, 1955 TO 1957, 1959 TO 1987  
AND 1989 TO 1993.

STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1												
2												
3												
4												
5												
6												
7	11.78											
8				13.60								
9		12.71	11.29									
10					14.68							
11												
12												
13	12.28											
14												
15												
16												
17												
18												
19												
20												
21												
22												
23			12.43									
24		10.88										
25												
26				14.73								
27	13.68											
28												
29		-----										
30		-----										
31		-----		-----		-----			-----		-----	

## DAILY STAGE FOR 1993

EABPL BORROW PIT (FWS) NEAR RAMAH, LA. (BELOW INTERSTATE 10)

LOCATION. LAT. 30-22-10, LONG. 91-31-10. APPROXIMATELY 2-1/2 MILES SOUTH OF INTERSTATE 10.  
(STA. 4954212D.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE, DAILY, AUG. 8, 1987 TO DATE. FOR RECORDS PRIOR TO 1988 REFER TO GAGE AT  
EABPL BORROW PIT (FWS) AT RAMAH, LA. (STA. 4954012D.)EXTREMES. (FROM 1971 TO DATE) HIGHEST, 19.68 FEET ON APR. 21, 1975. LOWEST, 0.90 FOOT ON JAN. 19,  
1981.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	11.27	13.40	10.28	13.23	14.80	14.55	10.72	10.59	11.61	7.66	7.77	10.21
2	11.37	13.34	10.39	13.22	14.81	14.51	10.63	10.67	11.52	7.82	7.53	10.40
3	11.47	13.26	10.54	13.22	14.81	14.46	10.53	10.73	11.42	7.98	7.30	10.52
4	11.56	13.19	10.69	13.50	14.82	14.44	10.42	10.80	11.30	8.13	7.07	10.65
5	11.64	13.11	10.85	13.54	14.82	14.14	10.35	10.88	11.14	8.28	6.87	10.68
6	11.67	13.04	11.00	13.54	14.82	13.95	10.23	10.96	10.97	8.49	6.55	10.71
7	11.69	12.95	11.14	13.55	14.82	13.74	10.10	11.06	10.77	8.71	6.21	10.75
8	11.94	12.86	11.26	13.94	14.81	13.53	9.98	11.24	10.54	8.90	5.94	10.77
9	11.96	12.76	11.37	14.16	14.81	13.30	9.89	11.33	10.28	9.09	5.75	10.79
10	12.01	12.65	11.40	14.24	14.81	13.05	9.80	11.40	10.01	9.26	5.57	10.87
11	12.11	12.57	11.49	14.32	14.82	12.81	9.74	11.47	9.73	9.41	5.46	11.01
12	12.22	12.44	11.53	14.39	14.81	12.57	9.67	11.53	9.47	9.52	5.41	11.03
13	12.27	12.26	11.67	14.44	14.80	12.33	9.63	11.59	9.23	9.64	5.46	11.08
14	12.31	12.05	11.75	14.47	14.79	12.09	9.59	11.65	8.98	9.75	5.52	11.26
15	12.38	11.82	11.80	14.57	14.74	11.86	9.59	11.71	8.77	9.82	6.32	
16	12.44	11.68	11.87	14.63	14.72	11.65	9.79	11.77	8.50	9.82	7.83	
17	12.50	11.45	12.01	14.66	14.71	11.46	9.80	11.81	8.24	9.80	7.76	
18	12.55	11.23	12.11	14.69	14.72	11.32	9.81	11.87	8.05	9.76	7.65	
19	12.58	11.02	12.21	14.72	14.74	11.22	9.83	11.88	7.97	9.69	7.58	
20	12.91	10.81	12.33	14.76	14.77	11.13	9.86	11.90	7.85	9.56	7.51	
21	13.49	10.65	12.46	14.82	14.77	11.15	9.89	11.92	7.74	9.40	7.44	
22	13.59	10.54	12.55	14.84	14.76	11.16	9.94	11.95	7.63	9.18	7.52	
23	13.64	10.42	12.66	14.84	14.75	11.09	10.01	11.97	7.53	8.85	7.80	
24	13.67	10.32	12.76	14.85	14.75	11.08	10.07	11.95	7.47	8.54	8.18	
25	13.66	10.24	12.86	14.86	14.76	11.05	10.13	11.92	7.42	8.34	8.55	
26	13.63	10.39	12.96	14.88	14.69	10.99	10.19	11.90	7.43	8.21	8.83	
27	13.60	10.36	13.03	14.89	14.69	10.93	10.25	11.85	7.52	7.98	9.15	
28	13.59	10.32	13.09	14.88	14.68	10.88	10.31	11.84	7.53	7.71	9.45	
29	13.55	-----	13.14	14.88	14.65	10.85	10.37	11.80	7.53	7.59	9.73	
30	13.53	-----	13.18	14.80	14.61	10.79	10.46	11.74	7.55	8.15	9.97	
31	13.47	-----	13.21	-----	14.57	-----	10.52	11.68	-----	7.99	-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	12.59	11.83	11.92	14.34	14.76	12.27	10.07	11.53	9.06	8.81	7.32	10.77
MAX	13.67	13.40	13.21	14.89	14.82	14.55	10.72	11.97	11.61	9.82	9.97	11.26
MIN	11.27	10.24	10.28	13.22	14.57	10.79	9.59	10.59	7.42	7.59	5.41	10.21
DAYS	31	28	31	30	31	30	31	31	30	31	30	14

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 348  
 THE MEAN STAGE FOR THE YEAR WAS 11.30.  
 HIGHEST STAGE WAS 14.89 AT 5:00 A.M. ON APR 27.  
 LOWEST STAGE WAS 5.38 ON NOV 12.

## DAILY STAGE FOR 1993

## UPPER GRAND RIVER (FWS) AT DIKE (LA.)

LOCATION. LAT. 30-13-33, LONG. 91-25-24. ABOUT 0.6 MILE BELOW JUNCTION WITH BAYOU MARINGOUIN (EABPL BORROW PIT). (STA. 4957009.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. GAGE WAS KNOWN AS GRAND RIVER CROSSING R. S. IN 1933.

RECORDS AVAILABLE. INTERMITTENTLY, 1933 TO 1946, 1949 TO 1950, AND 1963 TO 1965. DAILY, JUNE 28, 1954 TO APR. 6, 1963, AND DEC. 16, 1965 TO DATE.

EXTREMES. HIGHEST, 19.5 FEET FROM MAR. 4 TO 9, 1950. LOWEST, (FROM INCOMPLETE RECORD) 0.50 FOOT ON JAN. 12, 1981.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	11.11	12.65	9.70	12.69	14.17	13.86	10.50	10.69	11.36	7.84	7.55	10.38
2	11.19	12.58	9.93	12.68	14.26	13.78	10.40	10.74	11.23	8.01	7.37	10.55
3	11.26	12.54	10.19	12.68	14.26	13.70	10.26	10.79	11.11	8.16	7.23	10.64
4	11.31	12.48	10.43	12.90	14.23	13.56	10.17	10.86	10.89	8.30	7.05	10.81
5	11.35	12.42	10.62	12.92	14.19	13.40	10.08	10.95	10.67	8.46	6.89	10.72
6	11.31	12.35	10.78	12.91	14.16	13.23	9.92	11.02	10.40	8.73	6.59	10.74
7	11.28	12.26	10.91	12.94	14.16	13.06	9.80	11.12	10.17	8.95	6.24	10.78
8	11.44	12.16	11.01	13.24	14.15	12.84	9.76	11.30	9.85	9.11	6.04	10.76
9	11.44	12.03	11.10	13.42	14.14	12.57	9.67	11.39	9.42	9.30	5.89	10.80
10	11.49	11.88	11.14	13.47	14.12	12.31	9.60	11.47	9.08	9.47	5.70	10.98
11	11.55	11.77	11.19	13.52	14.09	12.07	9.54	11.53	8.86	9.58	5.60	11.05
12	11.63	11.59	11.23	13.57	14.07	11.83	9.51	11.58	8.66	9.68	5.57	11.08
13	11.71	11.30	11.38	13.61	14.07	11.56	9.51	11.63	8.51	9.78	5.64	11.11
14	11.80	11.01	11.42	13.66	14.05	11.29	9.52	11.68	8.41	9.89	5.65	11.29
15	11.88	10.68	11.49	13.83	14.04	11.09	9.57	11.73	8.32	9.94	6.02	11.31
16	11.94	10.46	11.59	13.89	14.06	10.91	9.71	11.77	8.15	9.90	6.27	11.39
17	12.00	10.23	11.76	13.92	14.05	10.78	9.75	11.80	7.98	9.83	6.51	11.47
18	12.02	10.08	11.86	13.97	14.06	10.72	9.81	11.82	7.94	9.75	6.59	11.55
19	12.06	9.87	11.96	14.00	14.09	10.71	9.85	11.81	7.89	9.59	6.77	11.66
20	12.36	9.73	12.09	14.03	14.10	10.69	9.89	11.82	7.85	9.31	6.92	11.63
21	12.72	9.70	12.18	14.08	14.09	10.75	9.94	11.84	7.76	9.03	6.96	11.68
22	12.77	9.69	12.25	14.09	14.09	10.79	10.00	11.83	7.70	8.68	7.33	11.71
23	12.80	9.63	12.36	14.11	14.09	10.80	10.09	11.83	7.63	8.40	7.83	11.73
24	12.83	9.58	12.47	14.13	14.09	10.85	10.14	11.81	7.57	8.30	8.35	11.70
25	12.79	9.56	12.54	14.15	14.09	10.80	10.20	11.78	7.54	8.26	8.75	11.65
26	12.78	9.72	12.61	14.17	14.08	10.75	10.26	11.75	7.57	8.16	9.06	11.52
27	12.76	9.69	12.64	14.19	14.07	10.69	10.33	11.66	7.69	7.82	9.43	11.35
28	12.77	9.68	12.67	14.19	14.06	10.63	10.39	11.68	7.64	7.63	9.69	11.07
29	12.75	-----	12.70	14.17	14.02	10.62	10.44	11.61	7.66	7.59	9.92	10.85
30	12.73	-----	12.69	14.16	13.97	10.55	10.54	11.55	7.68	7.94	10.15	10.41
31	12.70	-----	12.69	-----	13.92	-----	10.60	11.47	-----	7.78	-----	10.09

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	12.02	10.98	11.60	13.64	14.10	11.71	9.99	11.49	8.77	8.81	7.19	11.11
MAX	12.83	12.65	12.70	14.19	14.26	13.86	10.60	11.84	11.36	9.94	10.15	11.73
MIN	11.11	9.56	9.70	12.68	13.92	10.55	9.51	10.69	7.54	7.59	5.57	10.09
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 10.96.  
 HIGHEST STAGE WAS 14.29 AT 5:00 P.M. ON MAY 1.  
 LOWEST STAGE WAS 5.50 ON NOV 12.

## DAILY STAGE FOR 1993

## EABPL BORROW PIT (FWS) AT BAYOU SORREL LOCK (LA.)

LOCATION. LAT. 30-07-48, LONG. 91-19-21. IN RECESS AT SOUTHWEST CORNER OF SOUTH GATE BAY SECTION (IWW, MORGAN CITY-PORT ALLEN ROUTE). (STA. 4963009.)

GAGE. STAFF TYPE.

GENERAL INFORMATION. SUBTRACT 0.3 FROM STAGES PRIOR TO 1955.

RECORDS AVAILABLE. INTERMITTENTLY, 1949. DAILY, JAN. 1, 1950 TO DATE.

EXTREMES. HIGHEST, 18.10 FEET ON MAY 23 AND LATER DATES IN 1973. LOWEST, 0.00 FOOT ON JAN. 14 AND 15, 1964 AND OCT. 18, 1976.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1 G	7.3 G	8.4 G	6.5 G	8.5 G	9.8 G	9.4 G	7.1 G	7.2 G	7.9 G	5.5 G	5.7 G	7.0
2 G	7.4 G	8.4 G	6.5 G	8.5 G	9.8 G	9.3 G	7.1 G	7.2 G	7.9 G	5.6 G	5.6 G	7.2
3 G	7.5 G	8.4 G	6.8 G	8.5 G	9.8 G	9.2 G	7.0 G	7.3 G	7.6 G	5.7 G	5.5 G	7.3
4 G	7.6 G	8.4 G	6.8 G	8.5 G	9.8 G	9.2 G	7.0 G	7.4 G	7.7 G	5.8 G	5.3 G	7.4
5 G	7.6 G	8.3 G	7.0 G	8.6	9.8 G	9.1 G	6.9 G	7.4 G	7.6 G	5.9 G	5.3 G	7.4
6 G	7.7 G	8.3 G	7.1 G	8.6 G	9.8 G	9.0 G	6.8 G	7.5 G	7.4 G	6.0 G	5.1 G	7.5
7 G	7.7 G	8.3 G	7.2 G	8.6 G	9.7 G	8.8 G	6.7 G	7.6 G	7.3 G	6.1 G	4.9 G	7.5
8 G	7.8 G	8.2 G	7.2 G	8.6 G	9.7 G	8.7 G	6.7 G	7.7 G	7.0 G	6.3 G	4.6 G	7.5
9 G	7.8 G	8.2 G	7.3 G	9.0 G	9.7 G	8.5 G	6.6 G	7.7 G	6.9 G	6.4 G	4.5 G	7.5
10 G	7.8 G	8.1 G	7.4 G	9.0 G	9.6 G	8.3 G	6.5 G	7.7 G	6.6 G	6.6 G	4.3 G	7.5
11 G	7.9 G	8.1 G	7.4 G	9.0 G	9.6 G	8.1 G	6.5 G	7.8 G	6.5 G	6.5 G	4.2 G	7.6
12 G	7.9 G	8.0 G	7.4 G	9.0 G	9.6 G	8.0 G	6.4 G	7.9 G	6.3 G	6.7 G	4.2 G	7.7
13 G	7.9 G	7.8 G	7.4 G	9.0 G	9.6 G	7.9 G	6.4 G	7.9 G	6.1 G	6.7 G	4.2 G	7.7
14 G	7.9 G	7.8 G	7.5 G	9.0 G	9.5 G	7.7 G	6.5 G	7.9 G	5.9 G	6.8 G	4.3 G	7.8
15 G	7.9 G	7.5 G	7.6 G	9.3 G	9.4 G	7.6 G	6.5 G	7.9 G	6.0 G	6.9 G	4.3 G	7.8
16 G	7.9 G	7.4 G	7.7 G	9.4 G	9.4 G	7.4 G	6.5 G	7.9 G	5.9 G	7.0 G	4.5 G	7.9
17 G	8.0 G	7.1 G	7.7 G	9.4 G	9.4 G	7.3 G	6.6 G	8.0 G	5.7 G	7.0 G	4.7 G	8.0
18 G	8.1 G	6.9 G	7.8 G	9.4 G	9.4 G	7.3 G	6.6 G	8.1 G	5.7 G	7.0 G	4.7 G	8.0
19 G	8.2 G	6.9 G	7.9 G	9.4 G	9.5 G	7.1 G	6.6 G	8.1 G	5.7 G	6.9 G	4.8 G	8.0
20 G	8.3 G	6.7 G	7.9 G	9.5 G	9.6 G	7.1 G	6.7 G	8.1 G	5.7 G	6.7 G	4.9 G	8.1
21 G	8.5 G	6.7 G	8.1 G	9.5 G	9.5 G	7.2 G	6.7 G	8.1 G	5.6 G	6.6 G	4.9 G	8.1
22 G	8.5 G	6.6 G	8.1 G	9.5 G	9.5 G	7.3 G	6.7 G	8.1 G	5.7 G	6.6 G	5.0 G	8.1
23 G	8.5 G	6.6 G	8.2 G	9.6 G	9.5 G	7.3 G	6.8 G	8.1 G	5.5 G	6.4 G	5.1 G	8.2
24 G	8.5 G	6.5 G	8.2 G	9.6 G	9.5 G	7.3 G	6.9 G	8.1 G	5.5 G	6.2 G	5.4 G	8.2
25 G	8.5 G	6.5 G	8.3 G	9.6 G	9.6 G	7.3 G	6.9 G	8.1 G	5.5 G	6.0 G	5.7 G	8.2
26 G	8.5 G	6.6 G	8.4 G	9.6 G	9.6 G	7.3 G	6.9 G	8.0 G	5.4 G	6.0 G	6.0 G	8.1
27 G	8.5 G	6.5 G	8.4 G	9.6 G	9.6 G	7.3 G	6.9 G	8.0 G	5.5 G	5.9 G	6.3 G	8.1
28 G	8.5 G	6.5 G	8.4 G	9.6 G	9.6 G	7.2 G	6.9 G	8.0 G	5.5 G	5.7 G	6.6 G	8.0
29 G	8.5	-----	8.5 G	9.6 G	9.5 G	7.3 G	7.0 G	8.0 G	5.3 G	5.6 G	6.6 G	7.7
30 G	8.5	-----	8.5 G	9.7 G	9.5 G	7.2 G	7.1 G	7.9 G	5.4 G	5.9 G	6.8 G	7.6
31 G	8.5	-----	8.5	-----	9.4	-----	7.1 G	8.0	-----	5.9	-----	7.2

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	8.1	7.5	7.7	9.2	9.6	7.9	6.8	7.8	6.3	6.3	5.1	7.7
MAX	8.5	8.4	8.5	9.7	9.8	9.4	7.1	8.1	7.9	7.0	6.8	8.2
MIN	7.3	6.5	6.5	8.5	9.4	7.1	6.4	7.2	5.3	5.5	4.2	7.0
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 7.5.

HIGHEST STAGE WAS 9.8 ON MAY 1 AND LATER DATE(S).

LOWEST STAGE WAS 4.2 ON NOV 11 AND LATER DATE(S).

## DAILY STAGE FOR 1993

## BIG BAYOU PIGEON (FWS) NEAR PIGEON, LA.

LOCATION. LAT. 30-04-36 LONG. 91-18-33. ON SHELL OIL COMPANY DOCK IN GIWW  
(MORGAN CITY-PORT ALLEN ROUTE) AT JUNCTION WITH BIG BAYOU PIGEON. (STA. 4963509.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO 1971 GAGE WAS KNOWN AS LITTLE BAYOU PIGEON.

RECORDS AVAILABLE. INTERMITTENTLY, 1936 TO 1939, 1949 AND 1950. DAILY, JAN. 1971 TO DATE.

EXTREMES. HIGHEST, 18.20 FEET ON MAY 25, 1973. LOWEST, 0.37 FOOT ON OCT. 18, 1976.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	7.30	8.28	6.53	8.36	9.51	9.19	6.99	7.06	7.74	5.49	5.70	6.84
2	7.37	8.25	6.60	8.34	9.68	9.09	6.92	7.12	7.64	5.56	5.55	7.00
3	7.45	8.22	6.80	8.31	9.69	9.00	6.87	7.15	7.56	5.63	5.44	7.15
4	7.50	8.19	6.89	8.51	9.69	8.95	6.83	7.20	7.46	5.67	5.35	7.25
5	7.59	8.19	7.03	8.50	9.64	8.86	6.78	7.25	7.34	5.74	5.26	7.29
6	7.60	8.18	7.12	8.47	9.59	8.75	6.70	7.34	7.20	5.80	5.14	7.33
7	7.62	8.12	7.19	8.45	9.54	8.61	6.63	7.39	7.10	5.90		7.33
8	7.72	8.07	7.27	8.67	9.50	8.48	6.54	7.48	6.92	6.05		7.34
9	7.71	8.02	7.32	8.81	9.49	8.35	6.50	7.56	6.72	6.31		7.34
10	7.77	7.96	7.38	8.79	9.48	8.20	6.46	7.60	6.50	6.44		7.40
11	7.87	7.94	7.43	8.78	9.46	8.02	6.44	7.65	6.34	6.51		7.48
12	7.86	7.87	7.46	8.80	9.41	7.86	6.41	7.69	6.18	6.57		7.50
13	7.91	7.74	7.55	8.80	9.38	7.70	6.37	7.73	6.09	6.67		7.54
14	7.91	7.60	7.54	8.82	9.34	7.55	6.37	7.77	6.01	6.76		7.69
15	7.95	7.42	7.57	9.12	9.29	7.40	6.40	7.80	6.04	6.84		7.73
16	7.99	7.34	7.64	9.15	9.27	7.25	6.45	7.85	5.96	6.85		7.75
17	8.02	7.15	7.75	9.16	9.28	7.14	6.46	7.89	5.84	6.83		7.78
18	8.05	6.99	7.81	9.17	9.27	7.06	6.49	7.88	5.76	6.83		7.84
19	8.07	6.83	7.88	9.19	9.33	7.09	6.52	7.90	5.71	6.77		7.89
20	8.19	6.72	7.97	9.23	9.36	7.09	6.56	7.89	5.70	6.69		7.93
21	8.41	6.65	8.06	9.26	9.37	7.16	6.58	7.94	5.65	6.61		7.95
22	8.43	6.60	8.10	9.30	9.37	7.20	6.62	7.96	5.60	6.44		7.95
23	8.44	6.54	8.18	9.31	9.39	7.16	6.65	7.97	5.55	6.25	5.02	8.00
24	8.45	6.49	8.23	9.35	9.42	7.19	6.69	7.96	5.53	6.10	5.16	7.98
25	8.44	6.46	8.29	9.40	9.47	7.16	6.72	7.92	5.49	6.02	5.29	7.97
26 F	8.45	6.54	8.36	9.44	9.49	7.15	6.76	7.88	5.46	5.95	5.57	7.92
27		6.50	8.39	9.45	9.49	7.15	6.80	7.84	5.52	5.84	5.89	7.84
28 F	8.35	6.55	8.42	9.46	9.46	7.10	6.86	7.88	5.51	5.70	6.31	7.73
29	8.33	-----	8.44	9.46	9.40	7.07	6.91	7.84	5.47	5.61	6.50	7.61
30	8.33	-----	8.35	9.48	9.33	7.03	6.98	7.79	5.46	5.96	6.66	7.40
31	8.30	-----	8.36	-----	9.26	-----	7.03	7.76	-----	5.85	-----	7.19

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	7.98	7.41	7.67	8.98	9.44	7.77	6.65	7.68	6.23	6.20	5.63	7.58
MAX	8.45	8.28	8.44	9.48	9.69	9.19	7.03	7.97	7.74	6.85	6.66	8.00
MIN	7.30	6.46	6.53	8.31	9.26	7.03	6.37	7.06	5.46	5.49	5.02	6.84
DAYS	30	28	31	30	31	30	31	31	30	31	14	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 348

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 7.52.

HIGHEST STAGE WAS 9.71 AT 1:00 P.M. ON MAY 3.

LOWEST STAGE WAS NOT DETERMINED.



## DAILY STAGE FOR 1993

OLD RIVER (FWS) AT JUNCTION WITH GIWW (MORGAN CITY-PORT ALLEN ROUTE) (LA.)

LOCATION. LAT. 29-56-47, LONG. 91-15-35. ON TOWER AT JUNCTON. (STA. 4964510.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO 1939 GAGE WAS KNOWN AS OLD RIVER (FWS) SOUTHWEST OF PIERRE PASS.

RECORDS AVAILABLE. INTERMITTENTLY, 1938 TO 1946 AND 1949. DAILY, NOV. 1934 TO AUG. 1937 AND JAN. 1971 TO DATE.

EXTREMES. (FROM 1971 TO DATE) HIGHEST, 16.84 FEET ON MAY 24, 1973. LOWEST, 0.38 FOOT ON OCT. 17, 1976.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1			6.03	8.15	9.59	9.20	6.65	6.65	7.36	5.14	5.37	6.30
2			6.06	8.10	9.75	9.10	6.60	6.70	7.26	5.20	5.25	6.50
3			6.28	8.10	9.78	9.03	6.52	6.75	7.18	5.25	5.15	6.70
4			6.35	8.32	9.75	8.93	6.49	6.82	7.10	5.29	5.06	6.85
5		F 7.75	6.45	8.35	9.68	8.83	6.45	6.88	6.96	5.35	5.02	6.90
6		F 7.73	6.50	8.30	9.63	8.67	6.37	6.95	6.84	5.44	4.92	6.90
7			6.58	8.25	9.58	8.50	6.30	7.02	6.70	5.55	4.73	6.90
8			6.68	8.55	9.55	8.36	6.22	7.10	6.56	5.69	4.56	6.95
9			6.74	8.70	9.55	8.22	6.19	7.20	6.40	5.85	4.49	6.95
10			6.80	8.65	9.55	8.04	6.15	7.25	6.24	5.96	4.39	7.00
11		7.45	6.85	8.65	9.53	7.80	6.13	7.30	6.05	6.02	4.30	7.10
12		7.43	6.90	8.70	9.45	7.62	6.15	7.35	5.89	6.14	4.25	7.10
13		7.32	7.00	8.70	9.42	7.44	6.15	7.42	5.78	6.20	4.26	7.15
14		7.15	6.95	8.75	9.37	7.25	6.04	7.45	5.75	6.35	4.33	7.35
15		7.00	6.95	9.15	9.32	7.06	6.10	7.48	5.89	6.40	4.39	7.30
16		6.94	7.07	9.15	9.30	6.92	6.09	7.50	5.72	6.45	4.45	7.35
17		6.75	7.24	9.10	9.30	6.80	6.10	7.54	5.58	6.45	4.55	7.40
18		6.58	7.27	9.15	9.32	6.74	6.11	7.55	5.49	6.45	4.50	7.45
19		6.40		9.15	9.40	6.81	6.15	7.55	5.44	6.43	4.50	7.50
20		6.30		9.20	9.40	6.80	6.20	7.56	5.43	6.35	4.53	7.55
21		6.23		9.23	9.40	6.89	6.20	7.65	5.40	6.36	4.49	7.58
22		6.17		9.24	9.40	6.90	6.20	7.66	5.35	6.20	4.52	7.55
23		6.13		9.28	9.44	6.86	6.25	7.65	5.30	5.96	4.64	7.60
24		6.07 F	7.90	9.33	9.51	6.87	6.30	7.60	5.26	5.82	4.79	7.57
25		6.03	7.95	9.40	9.58	6.86	6.30	7.55	5.22	5.73	5.00	7.55
26		6.12	8.05	9.45	9.56	6.85	6.34	7.50	5.20	5.66	5.21	7.50
27		6.05	8.08	9.45	9.57	6.83	6.36	7.49	5.25	5.57	5.40	7.40
28		6.05	8.10	9.48	9.54	6.80	6.43	7.50	5.15	5.42	5.62	7.30
29		-----	8.10	9.50	9.48	6.75	6.49	7.46	5.13	5.37	5.86	7.20
30		-----	8.15	9.51	9.40	6.72	6.55	7.42	5.11	5.75	6.10	6.95
31		-----	8.20	-----	9.32	-----	6.61	7.40	-----	5.57	-----	6.75

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN		6.68	7.12	8.90	9.50	7.55	6.30	7.32	5.93	5.85	4.82	7.17
MAX		7.75	8.20	9.51	9.78	9.20	6.65	7.66	7.36	6.45	6.10	7.60
MIN		6.03	6.03	8.10	9.30	6.72	6.04	6.65	5.11	5.14	4.25	6.30
DAYS	0	20	26	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 321

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 7.02.

HIGHEST STAGE WAS 9.78 AT 8:00 A.M. ON MAY 3.

LOWEST STAGE WAS 4.22 ON NOV 12.

## DAILY STAGE FOR 1993

## INTRACOASTAL WATERWAY NEAR PIERRE PASS, LA.

LOCATION. LAT. 29-54-23, LONG. 91-13-04. ATTACHED TO TELEPHONE POLE NEAR BOAT RAMP IN GIWW (MORGAN CITY-PORT ALLEN ROUTE), 4.2 MILES SOUTH OF PIERRE PASS, LA. (STA. 4969010.)

GAGE. STAFF TYPE.

GENERAL INFORMATION. PRIOR TO 1961, GAGE WAS KNOWN AS BELLE RIVER, FWS.

RECORDS AVAILABLE. INTERMITTENTLY, 1945 TO 1946, 1949 TO 1950, 1961. DAILY, JULY 1, 1962 TO DATE.

EXTREMES. HIGHEST, 16.00 FEET ON MAY 22 AND LATER DATES IN 1973. LOWEST, MINUS 0.9 FOOT ON JAN. 14, 1964.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	5.90	6.80	5.00	7.10	8.40	7.70	5.70	5.70	6.30	4.30	4.40	5.40
2	6.00	6.80	5.10	7.10	8.40	7.60	5.60	5.80	6.20	4.40	4.30	5.60
3	6.00	6.80	5.30	7.20	8.40	7.50	5.50	5.80	6.10	4.40	4.20	5.80
4	6.00	6.70	5.30	7.20	8.40	7.40	5.50	5.90	6.00	4.40	4.10	5.80
5	6.10	6.70	5.40	7.20	8.50	7.40	5.40	5.90	5.90	4.40	4.00	5.90
6	6.10	6.70	5.40	7.20	8.50	7.30	5.40	6.00	5.80	4.50	3.90	6.00
7	6.20	6.60	5.50	7.20	8.50	7.30	5.30	6.00	5.70	4.60	3.80	6.00
8	6.20	6.60	5.50	7.30	8.50	7.20	5.30	6.10	5.50	4.80	3.60	6.10
9	6.30	6.50	5.60	7.50	8.40	7.20	5.30	6.10	5.30	4.80	3.50	6.10
10	6.30	6.40	5.70	7.60	8.40	7.10	5.20	6.20	5.20	5.00	3.30	6.10
11	6.40	6.40	5.80	7.60	8.40	7.00	5.20	6.30	5.00	5.10	3.20	6.20
12	6.40	6.20	5.90	7.60	8.40	6.90	5.20	6.30	4.90	5.20	3.30	6.20
13	6.40	6.20	5.90	7.60	8.40	6.80	5.10	6.40	4.80	5.30	3.40	6.20
14	6.50	6.10	6.00	7.70	8.30	6.70	5.10	6.40	4.80	5.30	3.50	6.30
15	6.50	6.00	6.10	8.00	8.30	6.60	5.10	6.50	4.70	5.40	3.50	6.40
16	6.55	5.90	6.20	8.00	8.20	6.50	5.10	6.50	4.70	5.40	3.50	6.40
17	6.60	5.70	6.30	8.00	8.20	6.40	5.20	6.60	4.60	5.50	3.60	6.50
18	6.60	5.60	6.40	8.10	8.20	6.20	5.20	6.60	4.60	5.50	3.60	6.50
19	6.70	5.50	6.50	8.10	8.20	6.00	5.20	6.60	4.50	5.40	3.60	6.60
20	6.80	5.40	6.60	8.10	8.20	5.90	5.20	6.60	4.50	5.40	3.60	6.60
21	6.90	5.20	6.60	8.10	8.30	5.90	5.20	6.60	4.50	5.40	3.60	6.70
22	6.90	5.20	6.70	8.20	8.30	6.00	5.20	6.60	4.40	5.30	3.55	6.70
23	6.90	5.20	6.80	8.20	8.40	6.00	5.20	6.60	4.40	5.20	3.80	6.70
24	6.80	5.20	6.90	8.20	8.40	6.10	5.30	6.55	4.40	5.10	4.00	6.60
25	6.80	5.10	7.00	8.20	8.40	6.10	5.30	6.50	4.30	5.10	4.20	6.60
26	6.80	5.10	7.00	8.20	8.30	6.00	5.30	6.50	4.30	5.00	4.40	6.60
27	6.80	5.00	7.00	8.30	8.20	6.00	5.40	6.40	4.20	4.90	4.60	6.70
28	6.80	5.00	6.90	8.30	8.10	5.90	5.40	6.40	4.20	4.80	4.80	6.70
29	6.80	-----	7.00	8.30	8.00	5.90	5.50	6.40	4.20	4.70	5.00	6.70
30	6.80	-----	7.00	8.30	7.90	5.80	5.60	6.30	4.30	4.70	5.20	6.60
31	6.80	-----	7.00	-----	7.80	-----	5.60	6.30	-----	4.50	-----	6.50

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	6.50	5.95	6.17	7.79	8.30	6.61	5.32	6.30	4.94	4.96	3.90	6.32
MAX	6.90	6.80	7.00	8.30	8.50	7.70	5.70	6.60	6.30	5.50	5.20	6.70
MIN	5.90	5.00	5.00	7.10	7.80	5.80	5.10	5.70	4.20	4.30	3.20	5.40
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 6.09.  
 HIGHEST STAGE WAS 8.50 ON MAY 5 AND LATER DATE(S).  
 LOWEST STAGE WAS 3.20 ON NOV 11.

## DAILY STAGE FOR 1993

LITTLE BAYOU SORREL AT JCT. WITH GIWW (MORGAN-CITY PORT ALLEN ROUTE) (LA.)

LOCATION. LAT. 29-47-47, LONG. 91-10-30. ON TOWER AT JUNCTION WITH GULF INTRACOASTAL WATERWAY.  
(STA. 4972510.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. DEC. 21, 1970 TO DATE.

EXTREMES. HIGHEST, 14.01 FEET (FROM INCOMPLETE RECORD) ON MAY 25, 1973. LOWEST, MINUS 0.88 FOOT  
ON OCT. 17, 1976.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	5.67	6.51	4.86	6.90	8.25	7.90	5.63	5.62	6.19	4.26	4.04	5.52
2	5.71	6.48	4.98	6.83	8.35	7.82	5.55	5.66	6.11	4.36	3.96	5.68
3	5.82	6.51	5.28	6.80	8.43	7.76	5.43	5.73	6.04	4.35	3.94	5.84
4	5.95	6.52	5.41	7.05	8.34	7.68	5.40	5.77	5.95	4.39	3.94	5.91
5	6.03	6.58	5.44	7.12	8.27	7.56	5.37	5.84	5.79	4.48	3.94	5.86
6	5.97	6.50	5.52	7.00	8.24	7.40	5.29	5.94	5.65	4.65	3.65	5.85
7	5.99	6.41	5.60	7.00	8.19	7.24	5.16	5.99	5.49	4.75	3.30	5.84
8	6.10	6.34	5.67	7.26	8.17	7.13	5.06	6.09	5.36	4.94	3.34	5.85
9	6.08	6.29	5.74	7.43	8.17	7.01	5.05	6.15	5.16	5.09	3.26	5.87
10	6.14	6.22	5.80	7.37	8.23	6.81	5.04	6.20	4.96	5.03	3.14	5.93
11	6.18	6.26	5.80	7.40	8.16	6.61	5.05	6.25	4.79	5.10	3.15	6.05
12	6.18	6.20	5.84	7.42	8.08	6.45	4.98	6.29	4.64	5.19	3.24	6.02
13	6.15	5.96	5.80	7.44	8.09	6.30	4.99	6.33	4.60	5.33	3.37	6.14
14	6.10	5.78	5.78	7.50	8.00	6.10	5.00	6.35	4.69	5.43	3.53	6.36
15	6.22	5.62	5.89	7.93	7.98	5.94	4.99	6.39	4.80	5.45	3.60	6.21
16	6.28	5.65	6.07	7.79	7.99	5.83	5.05	6.39	4.59	5.46	3.60	6.29
17	6.32	5.33	6.25	7.80	7.99	5.73	5.09	6.41	4.45	5.46	3.79	6.34
18	6.38	5.21	6.29	7.83	8.03	5.70	5.10	6.41	4.40	5.46	3.47	6.39
19	6.40	5.07	6.39	7.84	8.10	5.82	5.12	6.44	4.44	5.41	3.58	6.42
20	6.46	5.07	6.49	7.90	8.08	5.86	5.13	6.45	4.47	5.33	3.50	6.49
21	6.67	5.05	6.54	7.87	8.09	5.90	5.11	6.55	4.46	5.25	3.40	6.46
22	6.67	4.98	6.60	7.85	8.10	5.85	5.15	6.55	4.41	4.83	3.55	6.45
23	6.69	4.91	6.65	7.90	8.13	5.86	5.21	6.51	4.36	4.60	3.73	6.49
24	6.75	4.88	6.72	8.02	8.20	5.85	5.26	6.45	4.30	4.59	4.00	6.45
25	6.65	4.92	6.80	8.10	8.26	5.84	5.27	6.39	4.27	4.57	4.25	6.45
26	6.64	4.98	6.84	8.10	8.23	5.80	5.31	6.35	4.29	4.59	4.45	6.30
27	6.57	4.83	6.84	8.11	8.23	5.77	5.35	6.34	4.26	4.38	4.58	6.24
28	6.60	4.88	6.86	8.15	8.20	5.76	5.41	6.36	4.06	4.15	4.85	6.13
29	6.57	-----	6.86	8.11	8.15	5.73	5.49	6.33	4.12	4.21	5.10	5.96
30	6.54	-----	6.90	8.14	8.10	5.70	5.53	6.27	4.17	4.54	5.28	5.59
31	6.53	-----	6.94	-----	8.00	-----	5.57	6.23	-----	4.18	-----	5.44

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	6.29	5.71	6.11	7.60	8.16	6.42	5.23	6.23	4.84	4.83	3.82	6.09
MAX	6.75	6.58	6.94	8.15	8.43	7.90	5.63	6.55	6.19	5.46	5.28	6.49
MIN	5.67	4.83	4.86	6.80	7.98	5.70	4.98	5.62	4.06	4.15	3.14	5.44
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 5.95.  
 HIGHEST STAGE WAS 8.45 AT 10:00 A.M. ON MAY 3.  
 LOWEST STAGE WAS 3.06 ON NOV 11.

## DAILY STAGE FOR 1993

BAYOU GROSSE TETE AT ROSEDALE, LA.

LOCATION. LAT. 30-26-33, LONG. 91-27-06. STATE HIGHWAY 76 BRIDGE. (STA. 5236009.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U.S. GEOLOGICAL SURVEY SINCE JUN. 15, 1983.

RECORDS AVAILABLE. FEB. 19, 1965 TO JUN. 21, 1972 AND JUN. 23, 1973 TO DATE.

EXTREMES. HIGHEST, 14.35 FEET ON APR. 8, 1983. LOWEST, MINUS 0.10 FOOT ON DEC. 24, 1989.

## MEAN DAILY STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.80	10.41	3.89	3.16	6.72	2.55	2.47	1.57	1.87	1.19	2.02	3.62
2	2.63	10.10	6.52	2.64	8.06	2.54	2.30		1.84	1.24	1.81	2.50
3	2.49	9.76	9.61	2.54	8.90	2.52	2.18		1.82	1.24	1.65	1.82
4	2.40	9.37	9.43	7.45	8.83	2.51	2.15		1.81	1.22	1.54	1.86
5	2.42	8.90	8.96	9.90	8.39	2.48	2.13		1.80	1.20	1.53	1.88
6	2.43	8.30	8.24	9.64	7.64	2.47	2.03		1.79	1.21	1.42	1.83
7	4.21	7.64	7.14	9.32	6.63	2.45	1.94		1.78	1.23	1.27	1.77
8	9.89	6.98	5.87	11.32	5.21	2.44			1.74	1.31	1.05	1.72
9	10.35	6.47	4.78	12.04	4.09	2.41			1.73	1.36	0.98	1.72
10	10.25	6.14	4.16	12.04	3.79	2.37	1.83	1.73	1.73	1.38	0.95	1.89
11	10.43	6.01	4.65	11.85	3.65	2.35		1.71	1.65	1.36	0.89	2.50
12	10.82	5.92	4.87	11.59	3.53	2.29		1.71	1.59	1.37	0.93	2.46
13	10.70	5.75	5.98	11.30	3.46	2.24		1.75	1.56	1.41	1.08	2.75
14	10.41	5.51	6.17	11.06	3.35	2.17		1.75	1.60	1.47	1.24	6.56
15	10.12	5.28	5.60	11.34	3.24	2.08		1.75	1.68	1.50		6.60
16	9.82	5.46	5.02	11.11	3.13	2.00	1.91	1.76	1.66	1.51		5.33
17	9.47	5.79	6.55	10.80	3.03	1.95	1.87	1.80	1.62	1.53	10.24	4.09
18	9.05	4.96	6.10	10.48	2.95	1.94	1.77	1.80	1.58	1.56	9.95	3.17
19	8.48	3.94	5.56	10.15	2.87	1.97	1.74	1.76	1.56	1.61	9.62	2.79
20	11.09	3.56	5.48	9.82	2.79	2.08	1.74	1.78	1.56	1.65	9.27	2.66
21	12.71	3.43	5.55	9.45	2.73	2.29	1.68	1.86	1.56	1.65	8.93	2.54
22	12.80	3.35	4.95	8.97	2.67	2.69	1.73	1.93	1.55	1.63	8.51	2.48
23	12.72	3.17	4.20	8.33	2.63	2.57	1.76	1.93	1.52	1.58	7.95	3.36
24	12.54	2.98	4.73	7.57	2.61	2.71	1.71	1.89	1.49	1.48	7.22	4.11
25	12.30	3.18	4.30	6.85	2.60	2.65	1.68	1.87	1.48	1.41	6.38	3.93
26	12.04	5.75	4.67	6.33	2.67	2.74	1.64	1.87	1.47	1.38	5.58	3.62
27	11.79	5.79	4.97	5.97	3.48	3.61	1.55	1.89	1.43	1.36	4.97	2.83
28	11.53	4.76	4.06	5.68	3.96	4.37	1.55	1.96	1.34	1.32	4.54	2.24
29	11.26	-----	3.37	5.44	3.15	3.58		1.92	1.24	1.63	4.20	2.31
30	10.99	-----	3.09	5.28	2.69	2.84		1.91	1.18	2.55	3.90	2.46
31	10.70	-----	3.66	-----	2.61	-----	1.59	1.90	-----	2.35	-----	2.32

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	9.09	6.02	5.55	8.65	4.26	2.53	1.86	1.82	1.61	1.48	4.27	2.96
MAX	12.80	10.41	9.61	12.04	8.90	4.37	2.47	1.96	1.87	2.55	10.24	6.60
MIN	2.40	2.98	3.09	2.54	2.60	1.94	1.55	1.57	1.18	1.19	0.89	1.72
DAYS	31	28	31	30	31	30	22	23	30	31	28	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 346

THE MEAN STAGE FOR THE YEAR WAS 4.27.

HIGHEST STAGE WAS 12.87 AT 8:15 P.M. ON JAN 20.

LOWEST STAGE WAS 0.87 ON NOV 11.

## DAILY STAGE FOR 1993

## CHOCTAW BAYOU NEAR ROSEDALE, LA.

LOCATION. LAT. 30-28-36, LONG. 91-23-16. ON HIGHWAY 76 BRIDGE OVER BAYOU CHAPLIN, 4.6 MILES  
NORTHEAST OF ROSEDALE, LA. (STA. 5239009.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. FEB. 19, 1965 TO DATE.

EXTREMES. HIGHEST, 13.81 FEET ON APR. 23, 1979. LOWEST, 0.28 FOOT ON JAN. 18, 1981.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3.13	6.79	3.89	3.19	5.15	3.52	3.09	2.34	2.67	2.08	2.83	2.55
2	2.93	6.65	4.55	3.20	5.36	3.38	2.96		2.64	2.13		2.63
3	2.83	6.62	5.81	2.99	5.43	3.22	2.80	2.20	2.67	2.12	2.42	2.55
4	2.93	6.48	5.14	8.64	5.44	3.16	2.83	2.18	2.63		2.28	2.58
5	2.71	6.28	4.99	6.12	5.30	3.22	2.70	2.30	2.60	2.03	2.34	2.53
6	2.63	6.13	4.85	5.27	5.08	3.26	2.74	2.22	2.56	2.09	2.09	2.43
7	2.71	5.99	4.63	5.13	5.01	3.16	2.58	2.31	2.61	2.11	2.05	2.45
8	7.86	5.79	4.55	10.27	4.85	3.18	2.47	2.34	2.59	2.16	1.79	2.39
9	5.40	5.68	4.22	10.51	4.77	3.11	2.55	2.48	2.53	2.12	1.75	2.41
10	5.06	5.42	4.03	8.29	4.69	3.05	2.41	2.49	2.52	2.21	1.64	2.53
11	6.08	5.37	3.96	7.43	4.46	3.15	2.59	2.36	2.40	2.20	1.62	2.81
12	7.17	5.22	3.76	7.14	4.31	2.98	2.44	2.47	2.38	2.27	1.66	2.85
13	6.10	5.12	4.24	6.94	4.24	2.95	2.39	2.44	2.36	2.28	1.89	2.88
14	5.78	4.94	4.07	6.78	4.21	2.94	2.55	2.40	2.40	2.27	2.03	4.31
15	5.65	4.83	3.80	8.77	4.03	2.83	2.46	2.50	2.55	2.28	5.42	3.88
16	5.67	4.81	3.63	7.45	4.01	2.75	2.65	2.47	2.55	2.31	7.80	3.72
17	5.48	4.73	4.44	7.10	3.78	2.71	2.50	2.58	2.44	2.32	5.55	3.59
18	5.36	4.55	4.18	6.87	3.75	2.68	2.39	2.46	2.34	2.46	4.82	3.34
19	5.24	4.41	3.98	6.70	3.79	2.72	2.43	2.50	2.38	2.38	4.52	3.25
20	10.08	4.20	3.96	6.55	3.60	2.70	2.37	2.50	2.28	2.50	4.34	3.17
21	12.58	4.11	4.17	6.41	3.50	2.87	2.35	2.53	2.44	2.43	4.13	3.16
22	11.74	3.98	4.04	6.27	3.53	3.21	2.37	2.67	2.42	2.47	4.04	3.04
23	10.18	3.82	3.93	6.16	3.40	3.17	2.38	2.60	2.31	2.40	3.77	3.13
24	8.87	3.70	3.90	5.90	3.46	3.14	2.36	2.62	2.32	2.28	3.61	3.07
25	8.29	3.50	3.65	5.79	3.51	3.21	2.24	2.59	2.34	2.22	3.50	3.10
26	7.94	4.49	4.00	5.53	3.44	3.06	2.28	2.62	2.37	2.20	3.28	3.00
27	7.78	4.35	3.73	5.40	3.49	3.32	2.15	2.62	2.21	2.27	3.13	2.96
28	7.48	4.06	3.62	5.26	3.57		2.16	2.70	2.14	2.08	2.94	2.87
29	7.29	-----	3.50	5.33	3.55	3.23	2.33	2.71	2.03	2.18	2.74	2.89
30	7.13	-----	3.41	5.14	3.56	3.17	2.28	2.69	2.00	3.33	2.67	2.77
31	7.00	-----	3.43	-----	3.57	-----	2.26	2.72	-----	3.03	-----	2.72

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	6.36	5.07	4.13	6.42	4.19	3.07	2.49	2.49	2.42	2.31	3.20	2.95
MAX	12.58	6.79	5.81	10.51	5.44	3.52	3.09	2.72	2.67	3.33	7.80	4.31
MIN	2.63	3.50	3.41	2.99	3.40	2.68	2.15	2.18	2.00	2.03	1.62	2.39
DAYS	31	28	31	30	31	29	31	30	30	30	29	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 361  
THE MEAN STAGE FOR THE YEAR WAS 3.76.  
HIGHEST STAGE WAS 12.83 AT 8:00 A.M. ON JAN 21.  
LOWEST STAGE WAS 1.57 ON NOV 10.

## DAILY STAGE FOR 1993

## INTRACOASTAL WATERWAY AT PORT ALLEN LOCK (LA.)

LOCATION. LAT. 30-25-55, LONG. 91-12-37. ON WEST END OF LOCK (MORGAN CITY-PORT ALLEN ROUTE),  
1.5 MILES SOUTH OF PORT ALLEN, LA. (STA. 5241509.)

GAGE, AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO 1975 GAGE ZERO WAS MINUS 0.52 FOOT, NGVD.

RECORDS AVAILABLE. JULY 14, 1961 TO DATE.

EXTREMES. HIGHEST, 9.65 FEET ON APR. 13, 1980. LOWEST, 0.25 FOOT ON DEC. 24, 1989.  
EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.95	6.57	3.75	3.76	4.72	3.53	3.20		3.44	2.14	3.01	2.66
2	3.01	6.40	4.24	3.92	4.85	3.16	3.52		3.34	2.27	2.88	2.42
3	2.68	6.23	5.04	3.67	4.94	3.68	3.05	2.71	3.09	2.23	2.80	2.29
4	2.68	5.87	5.22	6.04	5.04	3.42	3.36	2.81	3.09	2.05	2.58	2.59
5	2.75	6.04	5.18	5.62	4.74	2.97	2.68	2.90	3.13	2.44	2.72	2.74
6	2.56	5.97	5.11	5.42	4.87	3.36	2.56	2.84	2.80	2.21	2.45	2.55
7	2.88	5.81	5.00	5.17	4.97	3.48	2.30	2.73	2.70	2.26	2.69	2.68
8	4.91	5.55	4.75	7.42	4.51	3.33	2.18	3.49	2.74	1.95	2.14	2.62
9	4.70	5.42	4.45	7.92	4.35	3.11	2.22	3.05	2.64	1.96	2.18	2.54
10	4.68	5.20	4.39	7.51	4.44	3.15	2.70	2.68	2.66	2.02	1.85	2.57
11	5.18	5.06	4.17	7.64	4.05	2.98	2.20	2.91	2.68	2.02	1.86	2.70
12	5.92	4.94	4.23	7.52	4.42	3.10	2.00	2.81	2.47	1.80	1.85	3.05
13	5.75	4.76	4.62	7.12	4.00	2.96	2.47	2.97	2.29	1.60	1.96	2.66
14	5.61	4.68	4.65	6.89	3.57	2.86	2.93	3.15	2.32	1.49	1.99	3.31
15	6.24	4.37	4.18	7.92	3.66	2.66	2.57	3.05	2.44	1.49	2.74	3.26
16	5.34	5.15	4.01	7.50	3.68	2.74	2.59	2.91	2.70	1.75	4.49	3.75
17	5.63	5.19	4.78	7.29	3.69	2.53	2.91	2.87	2.48	2.22	4.45	3.09
18	5.60	5.26	4.65	7.11	3.75	2.53	2.64	3.10	2.26	2.49	4.43	3.01
19	5.24	4.58	4.46	6.96	3.49	2.66	2.63	3.55	2.20	2.65	4.16	2.93
20	6.73	4.34	4.11	6.67	4.06	2.59	2.53	2.86	2.37	2.70	4.01	2.79
21	8.61	4.16	4.38	6.69	3.32	2.58	2.47	2.83	2.63	2.79	4.15	2.81
22	8.39	4.05	4.53	6.51	3.51	2.87	2.66	3.44	2.35	2.83	3.92	2.71
23	8.26	3.84	4.09	6.22	3.47	2.94	2.61	3.55	2.31	2.62	3.55	3.06
24	7.89	3.94	3.97	6.15	3.30	2.90	2.47	3.04	2.21	2.59	3.52	2.82
25	7.80	3.58	4.88	5.78	3.44	3.03	2.77	2.92	2.41	2.48	3.40	2.69
26	7.65	3.97	4.53	5.79	3.63	2.84	2.43	3.05	2.26	2.48	3.59	2.76
27	7.54	4.10	4.28	5.48	3.34	3.09	3.10	2.98	2.41	2.29	3.30	2.96
28	7.23	4.17	3.82	5.34	4.38	3.35	2.87	3.26	2.50	2.42	2.96	2.66
29	7.17	-----	4.40	4.93	3.47	3.86		3.38	2.14	2.46	2.81	2.77
30	6.97	-----	3.81	4.62	3.42	3.44		3.25	1.93	3.54	2.81	2.78
31	6.85	-----	3.97	-----	3.52	-----		3.24	-----	3.42	-----	2.88

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	5.66	4.97	4.44	6.22	4.02	3.06	2.66	3.05	2.57	2.31	3.04	2.81
MAX	8.61	6.57	5.22	7.92	5.04	3.86	3.52	3.55	3.44	3.54	4.49	3.75
MIN	2.56	3.58	3.75	3.67	3.30	2.53	2.00	2.68	1.93	1.49	1.85	2.29
DAYS	31	28	31	30	31	30	28	29	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 360  
THE MEAN STAGE FOR THE YEAR WAS 3.74.  
HIGHEST STAGE WAS 8.81 AT 10:00 A.M. ON JAN 21.  
LOWEST STAGE WAS 1.34 ON OCT 14.

## DAILY STAGE FOR 1993

## INTRACOASTAL WATERWAY AT MORLEY, LA.

LOCATION. LAT. 30-23-42, LONG. 91-19-23. ON SOUTHEAST GUIDE WALL OF RAILROAD BRIDGE.  
(STA. 5244109.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. NOV. 1966 TO DATE. FOR RECORDS, 1941 TO 1942 AND 1953 TO 1967, REFER TO GAGE  
ON CHOCTAW BAYOU AT MORLEY.

EXTREMES. HIGHEST, 10.41 FEET ON APR. 14, 1980. LOWEST, 0.95 FOOT ON DEC. 24, 1989.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3.85	7.65	4.80	4.15	5.75	4.10	3.95	3.14	3.55	2.75	3.53	3.35
2	3.75 F	7.47	4.90	4.10	5.95	4.10	4.00	3.10	3.50	2.90	3.40	3.40
3	3.64	7.37	5.75	3.95	6.00	4.05	3.75	3.49	3.65	2.85	3.24	3.20
4	3.60	7.15	5.71	6.27	6.00	4.10	3.65	3.20	3.45	2.80	3.10	3.45
5	3.63	7.05	5.68	5.98	5.92	4.00	3.65	3.15	3.55	3.15	3.11	3.39
6	3.62	6.90	5.60	5.85	5.81	4.10	3.65	3.20	3.40	2.80	3.05	3.30
7	3.70	6.75	5.45 F	5.85	5.80	4.00	3.50	3.35	3.38	3.13	2.86	3.30
8	6.05	6.56	5.35	7.64	5.60	4.05	3.39	3.31	3.40	2.88	2.61	3.25
9	6.40	6.40	5.15	8.35	5.45	3.95	3.37	3.35	3.40	2.95	2.60	3.25
10	6.36	6.20	5.00	8.00	5.62	3.92	3.45	3.40	3.37	3.00	2.45	3.33
11	6.28	6.16	4.84	7.80	5.12	4.00	3.40	3.63	3.25	3.05	2.37	3.15
12	6.73	6.02	4.72	7.90	5.10	3.85	3.60	3.67	3.17	3.15	2.42	3.63
13	6.52	5.86	4.85	7.70	5.03	4.00	3.30	3.35	3.15	3.10	2.70	3.52
14	6.41	5.70	4.80	7.56	4.85	3.75	3.30	3.37	3.15	3.15	2.75	4.38
15	6.40	5.50	4.69	7.48	4.83	3.75	3.35	3.35	3.30	3.26	3.50	4.35
16	6.35	5.60	4.64	7.85	4.61	3.65	3.56	3.38	3.24	3.20	5.22	4.32
17	6.22	5.45	5.20	7.92	4.62	3.60	3.35	3.45	3.40	3.15	5.23	4.43
18	6.20	5.33	5.08	7.79	4.45	3.55	3.30	3.40	3.15	3.20	5.13	4.00
19	6.10	5.11	4.85	7.64	4.75	3.70	3.20	3.34	3.15	3.20	5.05	4.22
20	7.30	5.00	4.80	7.45	4.21	3.65	3.25	3.30	3.15	3.23	4.89	4.10
21	9.48	4.90	4.95	7.38	4.15	3.80	3.45	3.50	3.23	3.22	4.77	3.85
22	9.30	4.75	4.80	7.24	4.23	4.05	3.20	3.45	3.20	3.25	4.83	3.70
23	9.10	4.65	4.80	7.06	4.12	4.00	3.26	3.50	3.10	3.25	4.50	3.80
24	8.89	4.50	4.70	6.90	4.48	4.00	3.25	3.42	3.10	3.05	4.35	4.05
25	8.69	4.35	4.65	6.79	4.15	4.05	3.15	3.45	3.10	3.05	4.45	3.95
26	8.50	4.95	4.69	6.90	4.45	3.99	3.25	3.45	3.03	3.02	4.12	3.70
27	8.40	5.00	4.55	6.43	4.20	4.20	3.35	3.41	3.05	3.05	3.90	3.80
28	8.23	4.90	4.50	6.25	4.67	4.40	3.10	3.51	3.00	2.92	3.70	3.50
29	8.10	-----	4.40	6.39	4.25	4.15	3.15	3.50	2.85	3.16	3.55	3.60
30	7.91	-----	4.35	5.85	4.19	4.05	3.14	3.50	2.75	4.00	3.55	3.62
31	7.80	-----	4.20	-----	4.20	-----	3.10	3.50	-----	3.75	-----	3.50

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	6.56	5.83	4.92	6.81	4.92	3.95	3.40	3.39	3.24	3.12	3.70	3.69
MAX	9.48	7.65	5.75	8.35	6.00	4.40	4.00	3.67	3.65	4.00	5.23	4.43
MIN	3.60	4.35	4.20	3.95	4.12	3.55	3.10	3.10	2.75	2.75	2.37	3.15
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 4.45.

HIGHEST STAGE WAS 9.66 AT 8:50 A.M. ON JAN 21.

LOWEST STAGE WAS 1.51 ON NOV 10

## DAILY STAGES FOR 1993

## LOWER GRAND RIVER AT BAYOU SORREL LOCK (LA.)

LOCATION. LAT. 30-07-55, LONG. 91-19-22. IN NORTH APPROACH CHANNEL (IWW, MORGAN CITY-PORT ALLEN ROUTE), 1.9 MILES SOUTH OF BAYOU SORREL, LA. (STA. 5256009.)

GAGE. STAFF TYPE.

GENERAL INFORMATION. SUBTRACT 0.3 FROM STAGES PRIOR TO 1955.

RECORDS AVAILABLE. DAILY, JAN. 2 TO DEC. 31, 1947, AND JAN. 2, 1951 TO DATE. INTERMITTENTLY, 1948 TO 1950. FOR RECORDS 1939 TO 1946, REFER TO GAGE LOWER GRAND RIVER AT JUNCTION BAYOU SORREL.

EXTREMES. HIGHEST, 7.90 FEET ON APR. 15 AND 16, 1980 AND JAN. 24 AND LATER DATE(S). LOWEST, MINUS 0.30 FOOT (PRESENT DATUM) ON OCT. 9, 1952.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1 G	3.3 G	7.0 G	4.3 G	3.7 G	5.2 G	3.7 G	3.4 G	2.7 G	3.0 G	2.4 G	3.1 G	2.8
2 G	3.3 G	6.9 G	4.2 G	3.6 G	5.3 G	3.7 G	3.4 G	2.7 G	3.0 G	2.4 G	2.9 G	2.9
3 G	3.2 G	6.7 G	4.6 G	3.5 G	5.4 G	3.6 G	3.3 G	2.7 G	2.9 G	2.4 G	2.8 G	2.8
4 G	3.2 G	6.6 G	5.1 G	4.3 G	5.4 G	3.6 G	3.3 G	2.7 G	3.0 G	2.3 G	2.7 G	2.8
5 G	3.2 G	6.5 G	5.1 G	5.1 G	5.4 G	3.6 G	3.1 G	2.7 G	3.0 G	2.3 G	2.6 G	2.9
6 G	3.1 G	6.3 G	5.1 G	5.1 G	5.3 G	3.6 G	3.2 G	2.7 G	3.0 G	2.3 G	2.5 G	2.9
7 G	3.1 G	6.2 G	4.9 G	5.2 G	5.2 G	3.5 G	3.1 G	2.7 G	3.0 G	2.3 G	2.4 G	2.8
8 G	4.4 G	6.0 G	4.9 G	5.7 G	5.2 G	3.5 G	3.1 G	2.7 G	3.0 G	2.5 G	2.2 G	2.8
9 G	4.8 G	5.9 G	4.7 G	6.7 G	5.0 G	3.5 G	3.0 G	2.7 G	2.9 G	2.5 G	2.1 G	2.7
10 G	5.0 G	5.7 G	4.5 G	7.0 G	4.8 G	3.5 G	3.0 G	2.8 G	2.9 G	2.5 G	2.0 G	2.7
11 G	5.4 G	5.6 G	4.4 G	7.0 G	4.8 G	3.5 G	2.8 G	2.8 G	2.9 G	2.5 G	1.9 G	3.0
12 G	5.6 G	5.5 G	4.3 G	6.9 G	4.6 G	3.5 G	2.8 G	2.8 G	2.7 G	2.5 G	1.9 G	3.1
13 G	5.8 G	5.4 G	4.3 G	6.9 G	4.5 G	3.4 G	2.9 G	2.8 G	2.7 G	2.5 G	2.1 G	3.1
14 G	5.8 G	5.2 G	4.2 G	6.9 G	4.3 G	3.3 G	2.9 G	2.8 G	2.6 G	2.6 G	2.3 G	3.5
15 G	5.8 G	5.0 G	4.2 G	7.2 G	4.3 G	3.2 G	2.9 G	2.9 G	2.8 G	2.7 G	2.7 G	3.6
16 G	5.8 G	5.0 G	4.1 G	7.3 G	4.2 G	3.1 G	2.9 G	2.9 G	2.8 G	2.7 G	4.3 G	3.5
17 G	5.8 G	4.9 G	4.3 G	7.2 G	4.1 G	3.0 G	2.9 G	2.9 G	2.7 G	2.7 G	4.5 G	3.7
18 G	5.6 G	4.9 G	4.3 G	7.0 G	4.0 G	3.0 G	2.9 G	2.9 G	2.6 G	2.7 G	4.5 G	3.6
19 G	5.4 G	4.7 G	4.4 G	6.9 G	3.9 G	3.1 G	2.9 G	2.9 G	2.7 G	2.7 G	4.5 G	3.5
20 G	5.4 G	4.5 G	4.3 G	6.8 G	3.9 G	3.1 G	2.9 G	2.9 G	2.7 G	2.8 G	4.4 G	3.4
21 G	7.1 G	4.3 G	4.4 G	6.7 G	3.8 G	3.3 G	2.6 G	2.9 G	2.6 G	2.8 G	4.3 G	3.3
22 G	7.6 G	4.3 G	4.3 G	6.6 G	3.7 G	3.4 G	2.7 G	2.9 G	2.7 G	2.8 G	4.1 G	3.3
23 G	7.8 G	4.1 G	4.3 G	6.4 G	3.7 G	3.5 G	2.8 G	3.0 G	2.7 G	2.8 G	4.0 G	3.3
24 G	7.9 G	4.0 G	4.2 G	6.3 G	3.7 G	3.5 G	2.8 G	3.0 G	2.7 G	2.7 G	3.9 G	3.3
25 G	7.9 G	3.9 G	4.0 G	6.1 G	3.6 G	3.5 G	2.7 G	3.0 G	2.7 G	2.7 G	3.7 G	3.2
26 G	7.8 G	4.3 G	4.0 G	6.1 G	3.6 G	3.5 G	2.7 G	3.0 G	2.6 G	2.7 G	3.5 G	3.2
27 G	7.7 G	4.3 G	4.0 G	5.8 G	3.7 G	3.5 G	2.7 G	3.0 G	2.6 G	2.6 G	3.4 G	3.2
28 G	7.5 G	4.3 G	4.1 G	5.7 G	3.7 G	3.5 G	2.7 G	3.1 G	2.6 G	2.6 G	3.2 G	3.1
29 G	7.4	----- G	4.0 G	5.5 G	3.7 G	3.6 G	2.7 G	3.0 G	2.5 G	2.5 G	3.1 G	2.9
30 G	7.3	----- G	3.9 G	5.3 G	3.7 G	3.6 G	2.7 G	3.0 G	2.4 G	3.3 G	2.9 G	3.1
31 G	7.2	----- G	3.8	----- G	3.7	----- G	2.7 G	3.0	----- G	3.3	----- G	3.1

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	5.7	5.3	4.4	6.0	4.4	3.4	2.9	2.9	2.8	2.6	3.1	3.1
MAX	7.9	7.0	5.1	7.3	5.4	3.7	3.4	3.1	3.0	3.3	4.5	3.7
MIN	3.1	3.9	3.8	3.5	3.6	3.0	2.6	2.7	2.4	2.3	1.9	2.7
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 3.9.

HIGHEST STAGE WAS 7.9 AT 8:00 A.M. ON JAN 24 AND LATER DATE(S).

LOWEST STAGE WAS 1.9 ON NOV 11 AND LATER DATE(S).



## DAILY STAGE FOR 1993

## BELLE RIVER NEAR PIERRE PASS, LA.

LOCATION. LAT. 29-54-28, LONG. 91-12-59. ON RIGHT BANK, 100 FEET SOUTH OF HIGHWAY 70 BRIDGE,  
3.5 MILES SOUTH OF PIERRE PASS, LA. (STA. 5264010.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. JULY 29, 1955 TO DATE.

EXTREMES. HIGHEST, 5.10 FEET (CAUSED BY HURRICANE) ON NOV. 1, 1985. LOWEST, MINUS 0.30 FOOT ON  
JAN. 13 AND 14, 1956 AND DEC. 23, 1989 AND LATER DATE(S).

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ. )

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.4	3.0	2.3	2.7	3.8	3.2	2.7	2.5	2.8	2.2	2.4	2.2
2	2.4	3.0	2.4	2.7	3.8	3.2	2.7	2.5	2.8	2.2	2.3	2.3
3	2.4	3.0	2.7	2.8	3.8	3.2	2.7	2.5	2.8	2.2	2.2	2.5
4	2.4	2.9	2.7	2.7	3.8	3.2	2.7	2.6	2.8	2.2	2.1	2.5
5	2.3	2.9	2.8	2.8	3.8	3.2	2.6	2.6	2.8	2.2	2.0	2.6
6	2.3	2.8	2.8	2.8	3.8	3.2	2.6	2.6	2.7	2.3	1.9	2.6
7	2.4	2.8	2.8	2.8	3.7	3.2	2.6	2.6	2.7	2.3	1.8	2.6
8	2.4	2.9	2.8	3.0	3.7	3.2	2.6	2.6	2.6	2.3	1.7	2.6
9	2.5	2.9	2.8	3.5	3.7	3.1	2.6	2.6	2.6	2.3	1.6	2.6
10	2.5	3.0	2.8	3.5	3.7	3.1	2.6	2.6	2.5	2.3	1.5	2.7
11	2.6	3.0	2.7	3.5	3.7	3.1	2.6	2.6	2.5	2.4	1.5	2.7
12	2.7	3.0	2.7	3.5	3.7	3.0	2.6	2.6	2.5	2.4	1.7	2.7
13	2.8	3.0	2.5	3.5	3.7	3.0	2.6	2.6	2.5	2.4	1.8	2.7
14	2.9	3.0	2.4	3.5	3.6	2.9	2.6	2.6	2.5	2.4	2.0	2.7
15	2.9	2.9	2.4	3.8	3.6	2.8	2.6	2.7	2.7	2.4	2.2	2.7
16	2.9	2.9	2.4	3.8	3.5	2.7	2.6	2.7	2.7	2.5	2.3	2.7
17	2.8	2.8	2.5	3.7	3.5	2.7	2.6	2.7	2.7	2.5	2.4	2.6
18	2.8	2.8	2.6	3.7	3.4	2.9	2.6	2.8	2.6	2.5	2.5	2.6
19	2.8	2.7	2.7	3.7	3.4	2.8	2.6	2.8	2.5	2.5	2.5	2.6
20	2.9	2.7	2.7	3.6	3.4	2.8	2.6	2.8	2.5	2.5	2.3	2.6
21	3.0	2.7	2.8	3.5	3.4	2.8	2.6	2.8	2.5	2.5	2.0	2.6
22	3.0	2.7	2.6	3.5	3.4	2.8	2.5	2.8	2.4	2.5	1.9	2.5
23	3.0	2.6	2.6	3.5	3.3	2.8	2.5	2.8	2.4	2.5	1.9	2.5
24	2.9	2.6	2.6	3.5	3.4	2.9	2.5	2.8	2.4	2.5	1.9	2.5
25	2.9	2.5	2.6	3.5	3.3	2.9	2.5	2.8	2.4	2.4	1.9	2.5
26	2.9	2.5	2.7	3.6	3.3	2.8	2.5	2.8	2.4	2.4	1.9	2.5
27	3.0	2.4	2.7	3.6	3.3	2.8	2.5	2.8	2.3	2.4	2.0	2.5
28	3.0	2.4	2.6	3.7	3.3	2.7	2.5	2.8	2.3	2.4	2.0	2.5
29	3.1	-----	2.6	3.7	3.2	2.7	2.5	2.8	2.3	2.5	2.0	2.5
30	3.1	-----	2.7	3.7	3.2	2.7	2.5	2.8	2.2	2.7	2.1	2.4
31	3.1	-----	2.7	-----	3.2	-----	2.5	2.8	-----	2.5	-----	2.3

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.7	2.8	2.6	3.4	3.5	2.9	2.6	2.7	2.5	2.4	2.0	2.6
MAX	3.1	3.0	2.8	3.8	3.8	3.2	2.7	2.8	2.8	2.7	2.5	2.7
MIN	2.3	2.4	2.3	2.7	3.2	2.7	2.5	2.5	2.2	2.2	1.5	2.2
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 2.7.

HIGHEST STAGE WAS 3.8 AT 8:00 A.M. ON APR 15 AND LATER DATE(S).

LOWEST STAGE WAS 1.4 ON JAN 1 AND LATER DATE(S).

## DAILY STAGE FOR 1993

## PIERRE PASS AT PIERRE PART, LA.

LOCATION. LAT. 29-57-50, LONG. 91-12-32. ABOUT 30 FEET DOWNSTREAM FROM HIGHWAY 70 BRIDGE.  
(STA. 5268010.)

GAGE. STAFF TYPE.

GENERAL INFORMATION. PRIOR TO 1974 STATION WAS REFERRED TO AS PIERRE PASS AT PIERRE PASS, LA.

RECORDS AVAILABLE. INTERMITTENTLY, 1937 TO 1939, 1944 TO 1947, 1949 TO 1950, AND 1953. DAILY,  
AUG. 3, 1955 TO DATE.

EXTREMES. (SINCE 1944) HIGHEST, 5.00 FEET ON APR. 19 AND LATER DATES IN 1973. LOWEST, MINUS 1.2  
FEET ON DEC. 25, 1989.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.3	2.9	2.2	2.8	3.5	3.2	2.7	2.3	2.7	2.0	2.1	2.2
2	2.3	2.9		2.7	3.7	3.2	2.6	2.3	2.6	2.0	2.0	2.2
3	2.3	2.9		2.7	3.7	3.3	2.6	2.3	2.6	2.1	2.0	2.3
4	2.4	2.9		2.9	3.7	3.2	2.6	2.4	2.6	2.0	2.0	2.5
5	2.4	2.9		2.9	3.7	3.2	2.6	2.4	2.6	2.1	2.1	2.4
6	2.4	2.8		2.9	3.6	3.2	2.6	2.4	2.6	2.1	1.8	2.4
7	2.5	2.8		3.0	3.6	3.2	2.5	2.5	2.5	2.1	1.6	2.3
8	2.5	2.8		3.3	3.6	3.2	2.5	2.5	2.5	2.1	1.5	2.3
9	2.6	2.8		3.4	3.6	3.2	2.5	2.5	2.5	2.2	1.4	2.4
10	2.7	2.8		3.4	3.6	3.1	2.4	2.5	2.4	2.2	1.4	2.4
11	2.7	2.9		3.4	3.6	3.0	2.5	2.5	2.3	2.1	1.4	2.4
12	2.7	2.8		3.4	3.5	3.0	2.5	2.5	2.3	2.2	1.7	2.4
13	2.7	2.8		3.4	3.5	2.9	2.4	2.5	2.3	2.3	2.0	2.6
14	2.7	2.7		3.4	3.4	2.8	2.4	2.5	2.5	2.4	2.1	2.6
15	2.8	2.7	2.2	3.6	3.3	2.7	2.4	2.5	2.6	2.4	2.2	2.5
16	2.7	2.8	2.4	3.6	3.3	2.6	2.4	2.5	2.5	2.4	2.2	2.5
17	2.7	2.6	2.4	3.6	3.3	2.5	2.4	2.5	2.4	2.4	2.2	2.6
18	2.7	2.5	2.5	3.6	3.2	2.5	2.4	2.5	2.4	2.5	2.1	2.6
19	2.8	2.4	2.5	3.6	3.3	2.6	2.4	2.5	2.4	2.5	2.0	2.6
20	2.8	2.4	2.6	3.6	3.2	2.7	2.4	2.6	2.4	2.6	1.8	2.6
21	2.9	2.4	2.6	3.5	3.1	3.0	2.3	2.7	2.4	2.7	1.7	2.5
22	3.0	2.4	2.6	3.4	3.1	3.0	2.3	2.7	2.4	2.7	1.7	2.5
23	3.0	2.3	2.6	3.4	3.2	3.0	2.4	2.7	2.4	2.4	1.8	2.5
24	2.9	2.3	2.6	3.5	3.4	3.0	2.3	2.6	2.3	2.4	1.8	2.5
25	3.0	2.3	2.7	3.5	3.3	2.9	2.3	2.6	2.3	2.3	1.8	2.5
26	2.9	2.3	2.6	3.5	3.4	2.9	2.3	2.5	2.3	2.2	1.8	2.5
27	2.9	2.2	2.7	3.4	3.4	2.8	2.3	2.6	2.3	2.2	1.6	2.5
28	3.0	2.2	2.7	3.4	3.4	2.8	2.3	2.6	2.1	2.1	1.8	2.5
29	3.0	-----	2.7	3.4	3.3	2.8	2.3	2.6	2.0	2.1	1.9	2.4
30	3.0	-----	2.8	3.4	3.3	2.8	2.3	2.6	2.0	2.2	2.0	2.2
31	2.9	-----	2.8	-----	3.3	-----	2.3	2.7	-----	2.1	-----	2.2

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.7	2.6	2.6	3.3	3.4	2.9	2.4	2.5	2.4	2.3	1.8	2.4
MAX	3.0	2.9	2.8	3.6	3.7	3.3	2.7	2.7	2.7	2.7	2.2	2.6
MIN	2.3	2.2	2.2	2.7	3.1	2.5	2.3	2.3	2.0	2.0	1.4	2.2
DAYS	31	28	18	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 352

THE MEAN STAGE FOR THE YEAR WAS 2.6.

HIGHEST STAGE WAS 3.7 AT 8:00 A.M. ON MAY 2 AND LATER DATE(S).

LOWEST STAGE WAS 1.4 ON NOV 9 AND LATER DATE(S).

## DAILY STAGE FOR 1993

## LAKE VERRET AT ATTAKAPAS LANDING, LA.

LOCATION. LAT. 29-50-58, LONG. 91-06-09. AT ATTAKAPAS BOAT RAMP, IN LOWER PART OF LAKE,  
7.7 MILES SOUTHWEST OF NAPOLEONVILLE, LA. (STA. 5272010.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. DAILY, JUNE 15, 1932 TO JULY 25, 1933, AND AUG. 22, 1955 TO DATE.  
INTERMITTENTLY, 1939, 1944 TO 1947, AND 1949 TO 1950.

EXTREMES. (SINCE 1944) HIGHEST, 5.20 FEET ON APR. 21, 1973. LOWEST, MINUS 0.3 FOOT ON JAN. 14,  
1956.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1987 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.40	3.05	2.30	2.95	3.65	3.45	2.80	2.45	2.80	2.15	2.10	2.25
2	2.40	3.00	2.35	2.85	3.80	3.30	2.70	2.45	2.80	2.20	2.10	2.30
3	2.40	3.00	2.60	2.80	3.80	3.35	2.60	2.50	2.80	2.20	2.05	2.40
4	2.50	3.00	2.70	2.90	3.80	3.35	2.60	2.50	2.80	2.20	2.10	2.50
5	2.70	3.00	2.60	3.10	3.70	3.40	2.60	2.50	2.80	2.20	2.20	2.55
6	2.55	3.05	2.50	3.00	3.70	3.35	2.70	2.60	2.70	2.20	2.00	2.50
7	2.45	3.00	2.50	3.00	3.70	3.30	2.65	2.60	2.70	2.20	1.55	2.45
8	2.65	2.90	2.45	3.30	3.65	3.25	2.60	2.60	2.75	2.20	1.60	2.45
9	2.70	2.90	2.40	3.50	3.70	3.25	2.60	2.60	2.60	2.40	1.65	2.50
10	2.70	2.85	2.50	3.50	3.65	3.30	2.60	2.65	2.60	2.40	1.65	2.50
11	2.80	3.00	2.40	3.50	3.70	3.20	2.60	2.65	2.45	2.30	1.70	2.65
12	2.90	3.05	2.45	3.50	3.60	3.10	2.60	2.65	2.40	2.40	1.90	2.55
13	2.90	3.00	2.40	3.50	3.60	3.00	2.50	2.70	2.40	2.40	2.10	2.55
14	2.80	2.90	2.20	3.45	3.50	2.90	2.40	2.70	2.50	2.50	2.30	2.85
15	2.75	2.75	2.30	3.80	3.40	2.80	2.50	2.70	2.70	2.55	2.30	2.75
16	2.85	2.90	2.45	3.75	3.40	2.70	2.50	2.70	2.70	2.55	2.35	2.70
17	2.80	2.85	2.70	3.70	3.35	2.70	2.55	2.70	2.50	2.45	2.40	2.70
18	2.90	2.65	2.70	3.65	3.35	2.75	2.50	2.70	2.45	2.60	2.20	2.70
19	2.95	2.50	2.65	3.60	3.40	2.75	2.55	2.70	2.40	2.65	2.10	2.70
20	2.95	2.45	2.70	3.65	3.35	2.90	2.50	2.75	2.50	2.65	2.10	2.70
21	3.05	2.50	2.70	3.65	3.30	3.10	2.50	2.80	2.50	2.80	1.70	2.65
22	3.05	2.55	2.75	3.50	3.30	3.10	2.50	2.80	2.50	2.65	1.75	2.70
23	3.10	2.40	2.75	3.50	3.35	3.10	2.50	2.80	2.40	2.40	1.80	2.70
24	3.15	2.30	2.80	3.40	3.40	3.05	2.50	2.80	2.30	2.30	1.90	2.70
25	3.10	2.30	2.80	3.60	3.45	3.05	2.40	2.75	2.30	2.40	1.95	2.65
26	3.10	2.50	2.85	3.60	3.45	3.00	2.40	2.70	2.40	2.40	2.00	2.60
27	3.05	2.40	2.80	3.50	3.50	3.00	2.40	2.70	2.35	2.35	1.90	2.60
28	3.10	2.30	2.80	3.50	3.50	2.90	2.40	2.80	2.15	2.30	1.95	2.60
29	3.10	-----	2.80	3.50	3.50	2.80	2.40	2.80	2.10	2.20	2.00	2.65
30	3.10	-----	2.90	3.55	3.50	2.85	2.45	2.80	2.15	2.80	2.20	2.40
31	3.05	-----	3.00	-----	3.45	-----	2.45	2.80	-----	2.40	-----	2.30

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.84	2.75	2.61	3.41	3.53	3.07	2.53	2.68	2.52	2.40	1.99	2.57
MAX	3.15	3.05	3.00	3.80	3.80	3.45	2.80	2.80	2.80	2.80	2.40	2.85
MIN	2.40	2.30	2.20	2.80	3.30	2.70	2.40	2.45	2.10	2.15	1.55	2.25
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 2.74.

HIGHEST STAGE WAS 3.80 AT 8:00 A.M. ON APR 15 AND LATER DATE(S).

LOWEST STAGE WAS 1.55 ON NOV 7.

## DAILY STAGE FOR 1993

BAYOU BOEUF AT AMELIA, LA.

LOCATION. LAT. 29-40-06, LONG. 91-05-50. JUST NORTH OF SOUTHERN PACIFIC RAILROAD AND U. S. HIGHWAY 90 BRIDGES. (STA. 5280010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1932 TO 1942, 1944 TO 1954. DAILY, JAN. 12, 1955 TO NOV. 17, 1992.

EXTREMES. HIGHEST, 4.90 FEET ON APR. 30, 1975. LOWEST, CHANNEL DRY ON JAN. 20, 1940.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.48	2.92	2.19	3.13	3.60	3.49	2.86	2.56	2.85	2.29	2.10	2.39
2	2.45	2.90	2.30	3.00	3.74	3.45	2.80	2.60	2.85	2.35	2.05	2.44
3	2.48	2.96	2.55	3.00	3.81	3.46	2.75	2.59	2.87	2.30	2.13	2.54
4	2.58	2.96	2.61	3.20	3.68	3.49	2.70	2.58	2.82	2.27	2.20	2.56
5	2.72	3.05	2.60	3.30	3.64	3.50	2.70	2.59	2.79 F	2.25	2.20	2.53
6	2.65	3.04	2.51	3.20	3.60	3.40	2.70	2.64	2.76 F	2.32	1.98	2.55
7	2.64	2.95	2.51	3.20	3.55	3.36	2.61	2.69	2.75	2.40	1.47	2.51
8	2.77	2.90	2.53	3.17	3.57	3.35	2.50	2.70	2.75	2.46	1.74	2.50
9	2.80	2.85	2.53	3.35	3.58	3.22	2.55	2.72	2.70	2.53	1.75	2.51
10	2.83	2.85	2.65	3.20	3.58	3.20	2.60	2.74	2.65	2.50	1.65	2.57
11	2.88	2.95	2.59	3.25	3.45	3.10	2.65	2.73	2.57	2.40	1.75	2.67
12	2.87	2.95	2.60	3.27	3.37	3.02 F	2.70	2.74	2.52	2.45	1.92	2.62
13	2.83	2.79	2.55	3.25	3.42	2.97	2.63	2.77	2.58	2.55	2.09	2.63
14	2.71	2.67	2.35	3.35	3.38	2.90	2.60	2.80	2.68	2.61	2.21	2.90
15	2.87	2.64	2.40	3.73	3.33	2.80	2.60	2.81	2.80	2.64	2.31	2.75
16	2.82	2.85	2.63	3.42	3.32	2.81	2.60	2.77	2.65	2.64	2.30	2.73
17	2.85	2.62	2.82	3.44	3.34	2.80	2.60	2.75	2.56	2.65	2.47	2.70
18	2.90	2.53	2.79	3.49	3.36	2.82	2.62	2.75	2.52	2.71	2.00	2.72
19	2.90	2.35	2.81	3.40	3.43	2.97	2.59	2.82	2.58	2.73	2.10	2.75
20	2.94	2.48	2.88	3.50	3.38	3.00	2.59	2.81	2.63	2.75	1.95 F	2.75
21	3.05	2.50	2.89	3.50	3.40	3.06	2.54	2.85	2.64	2.80	1.65	2.66
22	3.05	2.50	2.90	3.35	3.37	3.00	2.51	2.89	2.60	2.64	1.81	2.63
23	3.06	2.35	2.91	3.35	3.43	3.05	2.55	2.87	2.56 F	2.45	1.81	2.68
24	3.20	2.35	2.95	3.41	3.44	3.01	2.55	2.86	2.51	2.51	1.90	2.62
25	3.05	2.45	2.95	3.45	3.51	2.97	2.50	2.86	2.50	2.44	1.95	2.63
26	3.05	2.46	3.00	3.46	3.52	2.95	2.50	2.82	2.55	2.50	2.01	2.54
27	2.92	2.20	2.95	3.40	3.56	2.93	2.50	2.84	2.40	2.30	1.90	2.54
28	2.99	2.29	2.97	3.40	3.56	2.95	2.55	2.89	2.10	2.11	2.02	2.55
29	2.95	-----	2.96	3.42	3.57	2.93	2.55	2.88	2.20	2.30	2.15	2.59
30	2.92	-----	3.00	3.46	3.60	2.90	2.59	2.88	2.25	2.67	2.23	2.29
31	2.90	-----	3.10	-----	3.58	-----	2.58	2.85	-----	2.20	-----	2.32

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.84	2.69	2.71	3.33	3.51	3.10	2.61	2.76	2.61	2.47	1.99	2.59
MAX	3.20	3.05	3.10	3.73	3.81	3.50	2.86	2.89	2.87	2.80	2.47	2.90
MIN	2.45	2.20	2.19	3.00	3.32	2.80	2.50	2.56	2.10	2.11	1.47	2.29
DAYS	31	28	31	30	31	30	31	31	30	30	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 2.77.

HIGHEST STAGE WAS 4.77 AT 10:15 P.M. ON MAY 1.

LOWEST STAGE WAS 1.38 ON NOV 7.

## DAILY STAGE FOR 1993

CHATLIN LAKE CANAL AT LA. HWY. 457.

LOCATION. LAT. 31-07-08, LONG. 92-20-40. FOUR MILES NORTHEAST OF LACOMPTE, LA. (STA. 5502015.)

GAGE. AUTOMATIC RECORDER AND WIRE-WEIGHT.

RECORDS AVAILABLE. MAR. 24, 1986 TO DATE. FOR RECORDS PRIOR TO 1986, REFER TO (STA. 5502515).

EXTREMES. HIGHEST, 62.24 FEET ON NOV. 17, 1987. LOWEST, 43.03 FEET ON SEP. 6, 1990 AND LATER DATES.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1			45.46	45.69	46.91	44.40	46.01	44.04	43.87	43.92	44.07	45.44
2			59.31	45.11	59.16	44.60	45.03	43.96	43.82	43.88	43.76	45.27
3			59.25	44.77	57.59	44.40	44.56	43.93	43.80	43.87	43.67	45.12
4			57.24	52.21	55.29	44.34	44.41	43.90	43.82	43.89	43.63	45.50
5		44.47	55.53	54.06	53.03	44.42	44.35	44.97	44.00	43.88	43.68	47.56
6		44.49	53.86	50.90	49.94	44.36	44.30	45.10	43.86	43.88	43.88	46.28
7		44.55	51.92	47.94	47.73	44.33	44.26	44.29	43.82	43.86	43.76	45.67
8		44.48	49.62	58.59	46.66	44.36	44.23	43.99	43.86	43.85	43.63	45.38
9		44.88	48.00	59.10	46.00	44.31	44.20	44.72	43.88	43.87	43.77	45.27
10		44.63	47.00	57.15	48.27	44.58	44.19	44.77	43.94	43.96	45.63	47.40
11		44.76	46.43	55.31	51.32	44.38	49.03	44.15	43.94	44.18	44.69	51.22
12		44.96	48.94	53.58	48.28	44.35	46.79	43.92	43.90	43.97	44.04	48.59
13		44.73	50.20	51.57	46.32	44.58	44.94	43.84	43.91	43.85	43.97	46.85
14		44.64	48.18	49.36	45.43	44.46	44.32	43.79	43.94	43.95	43.83	52.28
15		44.50	46.60	53.96	45.00	44.29	44.38	43.76	44.01	44.31	58.51	49.90
16		47.25	46.00	52.42	44.82	44.22	47.27	43.73	44.27	44.04	58.61	47.67
17		47.47	47.45	49.47	44.78	44.18	45.70	43.69	44.08	43.89	59.50	46.45
18		45.91	46.97	47.61	44.77	44.17	45.66	43.67	43.96	43.82	58.18	45.86
19		45.07	46.06	46.77	44.76	44.17	44.71	43.63	43.93	43.79	56.76	45.60
20		44.71	45.48	46.28	44.87	44.19	44.37	43.55	43.89	43.77	55.58	45.59
21		44.63	46.73	46.00	44.67	45.74	44.34	43.59	44.00	43.85	54.27	45.67
22		44.58	46.36	45.77	44.58	45.29	44.41	43.62	43.96	44.56	52.81	45.62
23		44.52	52.44	45.37	44.53	46.37	44.26	44.43	43.93	44.52	50.85	49.29
24		44.45	51.81	45.02	44.52	51.14	44.15	44.02	43.90	44.03	49.04	47.82
25		44.40	48.90	44.88	44.70	49.99	44.09	43.83	43.87	43.80	47.97	46.51
26		50.46	47.11	44.80	44.91	48.85	44.04	44.15	43.88	43.69	47.29	45.92
27		48.63	46.10	44.71	44.69	49.44	44.02	43.93	44.81	43.67	46.82	45.58
28		46.57	45.39	44.67	44.51	55.29	44.02	43.87	44.77	43.65	46.36	45.46
29		-----	45.02	44.64	44.54	52.18	43.97	43.85	44.24	43.71	46.00	45.40
30		-----	44.97	45.91	44.50	48.38	43.94	43.83	44.02	45.66	45.67	45.49
31		-----	45.29	-----	44.45	-----	44.21	43.82	-----	44.91	-----	45.38

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN		45.41	49.02	49.12	47.15	45.99	44.78	44.01	44.00	44.01	48.34	46.68
MAX		50.46	59.31	59.10	59.16	55.29	49.03	45.10	44.81	45.66	59.50	52.28
MIN		44.40	44.97	44.64	44.45	44.17	43.94	43.55	43.80	43.65	43.63	45.12
DAYS	0	24	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 330  
 THE MEAN STAGE FOR THE YEAR WAS 46.24.  
 HIGHEST STAGE WAS 59.82 AT 6:00 P.M. ON MAR 2.  
 LOWEST STAGE WAS 43.55 ON AUG 19.

## DAILY STAGE FOR 1993

## THREE PRONG LAKE AT BELLEDEAU, LA.

LOCATION. LAT. 31-04-46, LONG. 92-11-02. ON HIGHWAY 114 BRIDGE. (STA. 5515011.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1939 TO 1946. DAILY, AUG. 13, 1946 TO MAR. 1, 1973 AND OCT. 25, 1973 TO DATE.

EXTREMES. (FROM 1946 TO DATE) HIGHEST, 56.24 FEET ON MAY 20 AND 21, 1953. LOWEST, 40.45 FEET ON SEPT. 1, 1992.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	43.64	43.28	44.04	43.81	43.49	43.75	44.88	42.55	43.32	43.12	43.43	43.88
2	43.51	43.22	51.22	43.54	51.11	43.49	43.90	42.70	43.33	43.09	43.45	43.62
3	43.41	43.18	51.89	43.50	51.21	43.38	43.43	42.76	43.31	43.10	43.33	43.56
4	43.35	43.22	51.79	45.27	51.02	43.39	43.22	42.97	43.33	43.07	43.19	44.04
5	44.92	43.31	51.64	48.74	50.45	43.19	43.13	43.09	43.32	43.05	43.09	45.01
6	45.10	43.38	51.31	48.00	49.11	43.09	43.06	43.07	43.32	43.05	43.13	44.33
7	44.62	43.42	50.46	46.17	47.65	43.10	43.04	43.02	43.30	43.03	43.21	43.78
8	49.84	43.49	49.17	50.71	45.97	43.09	43.13	42.98	43.30	43.04	43.26	43.56
9	49.99	43.53	47.73	51.95	44.76	43.10	43.02	42.86	43.10	43.04	43.46	43.54
10	48.83	43.62	46.41	51.87	44.57	43.14	43.04	42.89	42.86	43.04	43.78	44.14
11	47.82	43.96	45.61	51.65	46.06	43.18	43.88	42.87	42.85	43.00	43.59	47.33
12	49.47	44.12	46.51	51.17	45.59	43.28	43.84	42.68	42.87	43.00	43.56	46.20
13	49.89	43.80	47.18	50.23	44.47	43.28	43.20	42.69	42.88	42.99	43.55	44.89
14	48.73	43.51	46.26	49.06	43.82	43.17	42.85	42.69	42.88	43.08	43.79	46.96
15	47.27	43.44	45.28	48.90	43.49	43.22	42.65	42.46	42.90	43.09	49.72	46.67
16	46.03	44.91	44.73	48.99	43.49	43.15	42.42	42.29	42.87	43.10	51.46	45.40
17	45.24	45.44	44.81	47.70	43.57	42.97	42.26	42.29		43.08	52.25	44.36
18	44.73	44.48	44.62	46.30	43.62	42.79	42.57	42.58		43.08	52.17	43.75
19	44.54	43.81	44.17	45.56	43.68	42.75	42.88	42.48		43.09	52.12	43.56
20	45.09	43.51	43.84	45.05	43.69	42.93	43.00			43.09	51.84	43.54
21	50.35	43.40	43.65	44.64	43.71	43.49	43.01			43.11	51.42	43.54
22	50.58	43.44	43.64	44.25	43.72	43.69	43.03			43.15	50.76	43.55
23	50.17	43.57	49.26	44.12	43.35	45.18	43.01			43.11	49.76	45.05
24	48.80	43.82	49.36	43.80	43.21	47.86	43.06			43.08	48.77	44.97
25	47.20	44.04	47.78	43.57	43.24	47.09	42.94	42.53		43.11	47.88	44.23
26	45.95	46.26	46.24	43.45	43.26	46.38	42.85	42.85		43.08	47.12	43.71
27	45.12	46.12	44.97	43.40	43.13	47.47	42.74	42.95		43.09	46.32	43.46
28	44.59	44.93	44.15	43.41	43.04	48.80	42.74	42.99		43.06	45.47	43.31
29	44.21	-----	43.71	43.41	43.06	48.52	42.65	43.08		43.13	44.80	43.21
30	43.81	-----	43.76	43.49	43.30	46.59	42.61	43.26		43.90	44.26	43.15
31	43.46	-----	44.26	-----	43.71	-----	42.56	43.31	-----	43.50	-----	43.26

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	46.46	43.94	46.76	46.52	45.08	44.28	43.05	42.80	43.11	43.11	46.46	44.31
MAX	50.58	46.26	51.89	51.95	51.21	48.80	44.88	43.31	43.33	43.90	52.25	47.33
MIN	43.35	43.18	43.64	43.40	43.04	42.75	42.26	42.29	42.85	42.99	43.09	43.15
DAYS	31	28	31	30	31	30	31	26	16	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 346

THE MEAN STAGE FOR THE YEAR WAS 44.75.

HIGHEST STAGE WAS 52.29 AT 3:00 P.M. ON NOV 17.

LOWEST STAGE WAS 42.22 ON JUL 17.

## DAILY STAGE FOR 1993

## BAYOU DU LAC NEAR HESSMER, LA.

LOCATION. LAT. 31-01-13, LONG. 92-08-54. ON HIGHWAY 115 BRIDGE, 3.6 MILES SOUTHWEST OF HESSMER, LA..  
(STA. 5520011.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

RECORDS AVAILABLE. INTERMITTENTLY, 1937 TO 1947. DAILY, JAN. 31, 1947 TO DATE.

EXTREMES. HIGHEST, 54.34 FEET ON MAY 21 AND 22, 1953. LOWEST, 37.0 FEET FROM JUNE 15 TO 20, 1948,  
AND LATER DATES.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	39.90	40.19	40.75	40.11	40.61	38.30	43.51		38.59	37.79	39.34	43.24
2	39.50	39.58	45.05	40.10	44.85	38.11	42.76		38.29	37.59	37.88	41.75
3	39.29	39.23	45.39	39.35	44.90	38.47	41.41		38.08	37.53	37.26	40.43
4	39.21	38.81	45.85	42.13	45.31	38.83	40.40		37.95	37.55	37.32	40.62
5	40.60	38.60	46.22	43.96	45.56	38.64	39.75		38.15	37.55	37.23	42.15
6	42.41	38.57	46.42	43.85	45.52	38.18	39.57		37.93	37.58	37.37	41.62
7	42.02	38.51	46.50	43.59	45.23	38.38	39.28		38.13	37.67	38.19	41.00
8	44.48	38.51	46.31	45.17	44.81	38.50	39.11		37.96	37.54	37.86	40.03
9	44.60	38.60	45.94	46.12	44.42	38.82	38.98		37.87	37.53	37.62	39.51
10	44.60	38.87	45.53	46.61	44.02	38.40	38.90		37.80	37.72	38.73	40.91
11	44.61	39.45	45.52	46.89	44.00	38.22	40.55		38.16	37.99	38.92	43.73
12	45.42	39.33	45.20	47.01	43.69	38.25	41.38		37.77	37.65	38.32	43.51
13	45.61	39.18	45.01	46.99	43.34	38.45	40.72		37.43	37.58	39.70	42.52
14	45.59	38.87	44.73	46.72	42.06	38.60	39.88		37.33	38.21	41.18	43.67
15	45.33	38.67	43.99	46.51	40.92	38.70	39.59		37.92	37.72	44.47	43.69
16	44.97	41.60	43.54	46.35	40.42	38.52	39.69		38.04	37.40	44.49	43.66
17	44.56	42.65	43.30	46.05	39.88	38.21	40.40		37.87	37.29	45.12	42.42
18	44.20	41.45	42.70	45.60	39.88	38.56	39.97		37.63	37.27	45.55	40.98
19	43.83	40.21	41.50	45.09	40.11	38.74	39.75		37.51	37.20	46.34	40.24
20	43.97	39.33	40.52	44.68	39.68	38.79	39.06		37.51	37.08	46.68	39.75
21	44.91	39.01	39.99	44.26	39.26	40.58	38.70		37.54	37.15	47.44	40.03
22	45.22	38.84	40.18	43.80	39.00	40.62	38.81		37.54	38.05	47.44	39.67
23	45.49	38.68	44.04	43.26	38.76	42.05	38.44		37.59	38.07	47.05	42.65
24	45.53	38.47	44.08	41.98	38.63	43.94			37.61	37.78	46.40	42.77
25	45.29	38.48	43.92	41.09	38.45	43.65		38.41	37.72	37.49	45.97	41.80
26	44.94	42.70	43.67	40.11	38.55	43.81		38.38	37.62	37.38	45.65	41.07
27	44.48	43.18	43.23	39.39	38.61	43.71		38.40	38.18	37.23	45.67	39.86
28	44.07	42.09	41.85	39.12	38.35	44.11		38.33	39.05	37.33	45.04	39.47
29	43.65	-----	40.49	39.09	38.08	44.05		38.31	38.41	37.18	44.32	39.31
30	42.90	-----	39.87	39.25	37.99	43.84		38.31	38.03	41.23	43.94	39.54
31	41.35	-----	39.68	-----	38.28	-----		38.69	-----	40.72	-----	39.66

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	43.63	39.70	43.58	43.47	41.39	40.00	40.03	38.40	37.91	37.78	42.28	41.33
MAX	45.61	43.18	46.50	47.01	45.56	44.11	43.51	38.69	39.05	41.23	47.44	43.73
MIN	39.21	38.47	39.68	39.09	37.99	38.11	38.44	38.31	37.33	37.08	37.23	39.31
DAYS	31	28	31	30	31	30	23	7	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 333  
THE MEAN STAGE FOR THE YEAR WAS 40.99.  
HIGHEST STAGE WAS 47.47 AT 7:00 A. M. ON NOV 22.  
LOWEST STAGE WAS 37.21 ON NOV 5.

## DAILY STAGE FOR 1993

BAYOU DES GLAISES (RS) AT HAMBURG, LA.

LOCATION. LAT. 31-01-08, LONG. 91-55-11. GAGING HOUSE ON CROWN OF LEVEE, NEAR HIGHWAY 1 AND WABPL.  
(STA. 5590011.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1932, 1937, 1945, 1946, 1949, 1950, AND, 1952. DAILY, FEB.  
1971 TO DATE.EXTREMES. (FROM 1971 TO DATE) HIGHEST, 56.41 FEET ON MAY 15, 1973. LOWEST, (FROM INCOMPLETE  
RECORD) 21.70 FEET ON AUG. 24, 1991.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1			25.69	31.88	36.50	34.80	25.35					
2			26.77	31.78	36.70	34.10	25.18					
3			27.12	32.08	36.66	33.12	25.00					
4			27.86	32.14	35.86	32.23	24.85					
5			28.28	32.20	36.14	31.01	24.71					
6			28.81	32.33	36.07	30.21	24.58					
7			28.71	32.64	36.20	29.55	24.41					
8			28.80	33.22	36.18	28.39	24.33					
9			28.81	33.65	36.05	27.15	24.31					
10			28.72	34.20	35.96	26.17	24.40					
11			28.75	34.37	35.66	25.83	24.46					
12			29.14	34.57	35.73	25.44	24.30					
13			29.66	34.92	35.93	24.83	24.35					
14			30.20	35.34	35.87	24.55	24.42					
15			29.84	35.75	36.13	24.61	24.48					
16			29.61	35.90	36.18	24.54	24.55					
17			30.23	35.74	36.17	24.51	24.95					
18			30.77	35.92	36.80	24.54	25.05					
19			31.07	36.03	36.79	24.85	25.18					
20			31.42	36.32	36.81	24.89	25.32					
21			31.60	36.50	36.73	25.15	25.63					
22			31.81	36.58	36.95	25.36	25.81					
23			32.42	36.60	36.75	27.32	26.17					
24		26.61	32.72	36.66	36.62	26.58	26.46					
25		25.50	32.71	36.67	36.24	26.19						
26		26.18	32.78	36.72	36.20	26.26						
27		26.96	32.63	36.85	35.81	26.06						
28		26.25	32.58	36.66	35.89	25.97						
29		-----	32.46	36.30	35.39	25.91						
30		-----	32.27	36.42	35.11	25.60						
31		-----	32.01	-----	34.81	-----			-----		-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN		26.30	30.20	34.90	36.16	27.19	24.93					
MAX		26.96	32.78	36.85	36.95	34.80	26.46					
MIN		25.50	25.69	31.78	34.81	24.51	24.30					
DAYS	0	5	31	30	31	30	24	0	0	0	0	0

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 151  
 THE MEAN STAGE FOR THE YEAR WAS 30.79.  
 HIGHEST STAGE WAS 37.02 AT 6:00 A. M. ON MAY 22.  
 LOWEST STAGE WAS 24.22 ON JUL 10.



## DAILY STAGE FOR 1993

## WABPL BORROW PIT (LS) AT BAYOU ROUGE (LA.)

LOCATION. LAT. 30-45-20, LONG. 91-54-40. ON CONCRETE BRIDGE NEAR JUNCTION WITH BAYOU ROUGE, 2.7 MILES NORTH OF PALMETTO, LA. (STA. 5805012A.)

GAGE. AUTOMATIC RECORDER AND WIRE-WEIGHT.

RECORDS AVAILABLE. FEB. 13, 1937 TO 1979, AND OCT. 8, 1981 TO DATE.

EXTREMES. HIGHEST, 33.2 FEET (FROM WATERMARK) IN MAY 1953. LOWEST, 9.8 FEET ON OCT. 15 AND 16, 1950.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	17.09	17.56	17.85	17.55	17.50	17.22	17.75	17.35	17.40	F	17.45 F	16.75
2	17.17	17.24	22.00	17.55	24.12	17.41	17.99	17.34	17.32		17.40	16.22
3	17.15		24.91	17.52	24.13	17.49	17.81	17.32	17.30		17.28	
4	17.04		23.60	19.69	23.28	17.51	17.56	17.32	17.39 F	17.36		
5	16.96		21.62	20.85	22.91	17.54	17.29	17.34	17.35	17.38		
6	17.32			19.57	23.02	17.54	17.39	17.35	17.35	17.48		
7	16.89			18.86	22.58	17.53	17.43	17.35	17.35	17.53		
8	22.32 F	16.08 F	19.11	23.05	21.74	17.51	17.37	17.40	17.35	17.55	F	15.60
9	21.75	16.07	19.17	25.56	21.49	17.50	17.47	17.42	16.43	17.55		15.23
10	19.83	16.01	19.01 F	25.07	21.40	17.50	17.64	17.44	16.55	17.55		15.70
11	19.59	17.40	18.70		21.12	17.49	17.63	17.42	16.87	17.58		17.40
12	20.89	17.37	18.33		20.66	17.53	17.40	17.46	17.32	17.57		17.93
13	22.36	17.64	18.45	20.38	19.90	17.48	17.59	17.45	17.49	17.58		17.78
14	20.90	17.59	18.30	20.04	19.15	17.45	17.52	17.39	16.87	17.60		19.00
15	19.47	17.44	18.00	19.98	18.66		17.40	17.39	17.20	17.65 F	21.81	18.19
16	18.90	17.64	18.60	19.70	18.20		17.34	17.34	17.16	17.66	22.83	17.38
17	18.50	18.82	18.73	19.46	17.78		17.58	17.41	17.04	17.63	22.08	16.75
18	18.16	16.93	18.39	19.31	17.54		17.68	17.41	16.85	17.62	21.15	16.21
19	17.82	17.61		19.15	17.50		17.58	17.38	17.02	F	19.95	16.24
20	19.85	17.61		18.98	17.55		17.46	17.40	17.00			15.80
21	25.30	17.52		18.76	17.80 F	17.69	17.34	17.40				15.62
22	24.52	17.39 F	18.39	18.62	17.44	17.66	17.29	17.44				15.88
23	22.64	17.28	18.95	18.48	17.40		17.28	17.41			F	16.01
24	20.83	17.05	18.99	18.31	17.34		17.37	17.44				16.48
25	F 20.09	16.80	18.36	18.08	17.12		17.38	17.40				16.65
26	19.52	19.20	18.20	17.87	17.22		17.40	17.43				16.37
27	19.14	18.74	18.18	17.78	17.14		17.42	17.42			F	16.01
28	18.80	18.00	17.90	17.68	17.20	18.94	17.41	17.38				15.46
29	18.46	-----	17.60	17.57	17.30	18.43	17.39	17.40		F	16.95	15.90
30	18.11	-----	17.70	17.49	17.13	18.15	17.38	17.40			17.49	16.60
31	17.89	-----	17.62	-----	17.22	-----	17.35	17.39	-----		-----	16.10

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	19.52	17.43	19.10	19.39	19.37	17.66	17.48	17.39	17.13	17.55	19.44	16.51
MAX	25.30	19.20	24.91	25.56	24.13	18.94	17.99	17.46	17.49	17.66	22.83	19.00
MIN	16.89	16.01	17.60	17.49	17.12	17.22	17.28	17.32	16.43	17.36	16.95	15.23
DAYS	31	23	26	28	31	19	31	31	20	15	10	26

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 291

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 18.19

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 25.37 AT 12:30 P. M. ON JAN 21.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 15.22 ON DEC 9.

## DAILY STAGE FOR 1993

## BIG DARBONNE BAYOU (LS) AT COURTABLEAU, LA.

LOCATION. LAT. 30-33-05, LONG. 91-51-55. ON WEST SIDE OF LEVEE AT DARBONNE BAYOU CONTROL STRUCTURE. (STA. 5815012E.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. INTERMITTENTLY, 1931 TO 1934, 1941 TO 1958, AND 1961 TO 1966. DAILY, MAY 1966 TO DATE.

EXTREMES. HIGHEST, 25.6 FEET ON MAY 23, 1953. LOWEST, (FROM INCOMPLETE RECORD) 10.5 FEET ON SEP. 15, 1954.

## DAILY SEVEN A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	G 17.55	G 17.80	G 18.00	G 17.90	G 17.85	G 17.70	G 17.70	G 17.75	G 17.85	G 17.85	G 17.85	G 16.50
2	G 17.60	G 17.40	G 18.90	G 17.90	G 19.40	G 17.75	G 18.10	G 17.75	G 17.85	G 17.85	G 17.80	G 16.00
3	G 17.55	G 17.30	G 18.90	G 17.90	G 19.10	G 17.75	G 17.95	G 17.80	G 17.85	G 17.85	G 17.70	G 16.20
4	G 17.50	G 17.10	G 18.85	G 19.00	G 19.70	G 17.85	G 17.80	G 17.80	G 17.85	G 17.85	G 17.75	G 16.10
5	G 17.45	G 17.00	G 18.50	G 18.45	G 19.50	G 17.85	G 17.65	G 17.80	G 17.85	G 17.85	G 17.80	G 16.50
6	G 17.65	G 16.80	G 18.20	G 18.30	G 19.30	G 17.90	G 17.70	G 17.80	G 17.80	G 17.90	G 17.75	G 16.90
7	G 16.85	G 16.70	G 18.10	G 18.40	G 19.00	G 17.90	G 17.70	G 17.80	G 17.80	G 17.95	G 17.75	G 16.40
8	G 19.20	G 16.50	G 18.00	G 18.90	G 18.90	G 17.85	G 17.70	G 17.80	G 17.80	G 17.95	G 17.70	G 16.10
9	G 19.00	G 16.55	G 18.40	G 19.10	G 18.80	G 17.85	G 17.80	G 17.85	G 16.90	G 17.95	G 17.80	G 15.60
10	G 18.80	G 16.40	G 18.35	G 19.10	G 18.70	G 17.80	G 17.80	G 17.80	G 16.90	G 17.95	G 17.80	G 16.00
11	G 18.60	G 17.30	G 18.25	G 19.00	G 18.60	G 17.80	G 17.85	G 17.80	G 17.30	G 18.00	G 17.85	G 17.60
12	G 18.70	G 17.25	G 17.90	G 18.85	G 18.50	G 17.85	G 17.70	G 17.80	G 17.30	G 18.00	G 17.90	G 17.80
13	G 18.80	G 17.50	G 17.80	G 19.00	G 18.40	G 17.90	G 17.80	G 17.80	G 17.50	G 18.00	G 17.90	G 17.90
14	G 18.90	G 17.90	G 17.85	G 18.95	G 18.35	G 17.80	G 17.85	G 17.80	G 17.40	G 18.00	G 17.85	G 18.00
15	G 18.50	G 18.00	G 17.55	G 19.10	G 18.35	G 17.80	G 17.80	G 17.80	G 17.65	G 18.05	G 18.90	G 17.70
16	G 18.20	G 17.70	G 18.30	G 19.00	G 18.10	G 17.75	G 17.70	G 17.80	G 17.70	G 18.05	G 19.00	G 17.20
17	G 18.00	G 18.10	G 18.20	G 18.95	G 17.95	G 17.75	G 17.90	G 17.85	G 17.45	G 18.05	G 18.90	G 16.70
18	G 17.80	G 17.30	G 18.10	G 18.90	G 17.85	G 17.80	G 18.05	G 17.85	G 17.45	G 18.00	G 18.75	G 16.10
19	G 17.60	G 17.85	G 17.90	G 18.80	G 17.80	G 17.80	G 18.10	G 17.85	G 17.40	G 18.00	G 17.35	G 16.40
20	G 17.40	G 18.00	G 17.65	G 18.70	G 17.75	G 17.85	G 17.90	G 17.80	G 17.40	G 18.00	G 18.10	G 16.30
21	G 19.30	G 17.90	G 17.95	G 18.60	G 17.70	G 17.90	G 17.80	G 17.85	G 17.20	G 18.05	G 18.50	G 16.00
22	G 19.50	G 17.80	G 17.90	G 18.50	G 17.50	G 17.90	G 17.70	G 17.85	G 16.50	G 18.05	G 18.00	G 16.20
23	G 19.40	G 17.70	G 18.00	G 18.45	G 17.65	G 17.85	G 17.70	G 17.85	G 16.30	G 18.00	G 17.90	G 16.00
24	G 19.30	G 17.50	G 18.40	G 18.35	G 17.80	G 18.60	G 17.70	G 17.85	G 16.00	G 18.00	G 17.70	G 16.60
25	G 19.15	G 17.25	G 18.20	G 18.25	G 17.85	G 17.70	G 17.70	G 17.90	G 16.20	G 18.05	G 17.50	G 16.60
26	G 18.85	G 18.70	G 17.90	G 18.20	G 17.85	G 18.20	G 17.70	G 17.90	G 16.40	G 17.95	G 17.30	G 16.60
27	G 18.70	G 18.20	G 18.20	G 18.10	G 17.85	G 18.35	G 17.75	G 17.85	G 16.55	G 17.95	G 16.80	G 16.55
28	G 18.50	G 17.75	G 18.15	G 18.00	G 17.80	G 18.50	G 17.80	G 17.85	G 17.80	G 17.95	G 16.60	G 15.75
29	G 18.35	-----	G 17.90	G 17.90	G 17.80	G 18.30	G 17.80	G 17.85	G 17.80	G 17.95	G 16.40	G 16.10
30	G 17.90	-----	G 18.00	G 17.85	G 17.80	G 18.10	G 17.80	G 17.90	G 17.85	G 17.90	G 17.50	G 15.70
31	G 17.85	-----	G 17.95	-----	G 17.75	-----	G 17.80	G 17.85	-----	G 17.90	-----	G 16.40

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	18.34	17.47	18.14	18.55	18.30	17.92	17.80	17.83	17.32	17.96	17.81	16.53
MAX	19.50	18.70	18.90	19.10	19.70	18.60	18.10	17.90	17.85	18.05	19.00	18.00
MIN	16.85	16.40	17.55	17.85	17.50	17.70	17.65	17.75	16.00	17.85	16.40	15.60
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 17.83.

HIGHEST STAGE WAS 19.70 ON MAY 4.

LOWEST STAGE WAS 15.60 ON DEC 9.

## DAILY STAGE FOR 1993

## BAYOU COURTABLEAU AT WASHINGTON, LA.

LOCATION. LAT. 30-37-05, LONG. 92-03-20. ON STATE HIGHWAY 10 BRIDGE, SIX MILES NORTH OF OPELOUSAS, LA. (STA. 5820012A.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U. S. GEOLOGICAL SURVEY SINCE JULY 1946.

RECORDS AVAILABLE. STAGE, INTERMITTENTLY, 1939 TO 1946. DAILY, JULY 1946 TO DATE. DISCHARGE, DAILY, COMPUTED AND PUBLISHED BY U.S. GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 35.29 FEET ON MAY 22, 1953. LOWEST, 10.72 FEET ON OCT. 18, 1956.

## MEAN DAILY STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	18.41	18.78	19.65	19.13	20.80	18.23	19.42	18.22	18.31	18.35	18.40	17.60
2	18.36	18.51	23.76	19.08	26.46	18.31	19.11	18.21	18.31	18.35	18.31	17.24
3	18.27	18.26	25.93	18.98	27.53	18.37	18.85	18.20	18.32	18.33	18.23	17.18
4	18.15	18.03	26.29	23.40	27.73	18.39	18.56	18.22	18.38	18.31	18.28	17.54
5	18.30	17.82	26.23	25.04	27.53	18.42	18.28	18.23	18.35	18.32	18.30	18.32
6	18.41	17.63	25.96	25.09	27.06	18.41	18.37	18.23	18.31	18.41	18.26	18.13
7	20.26	17.44	25.55	24.64	26.46	18.39	18.36	18.26	18.25	18.46	18.23	17.62
8	24.84	17.27	25.02	26.19	25.70	18.39	18.34	18.29	18.11	18.46	18.22	16.98
9	25.28	17.21	24.45	27.06	24.76	18.39	18.41	18.30	17.36	18.47	18.28	16.62
10	25.00	17.30	23.52	27.30	23.66	18.37	18.54	18.29	17.55	18.52	18.34	17.62
11	24.71	18.74	22.13	27.26	22.39	18.47	18.34	18.26	17.86	18.49	18.38	19.80
12	25.15	18.73	21.02	27.05	21.12	18.44	18.25	18.24	18.23	18.49	18.39	19.75
13	25.19	18.89	20.96	26.74	20.19	18.38	18.37	18.24	18.34	18.52	18.37	19.94
14	24.88	18.75	20.53	26.34	19.73	18.31	18.34	18.25	18.01	18.60	18.52	21.60
15	24.21	18.50	20.04	26.13	19.40	18.29	18.28	18.28	18.18	18.59	22.58	21.09
16	23.15	19.10	20.61	25.80	19.11	18.28	18.30	18.33	18.15	18.57	24.72	19.93
17	21.74	19.65	21.16	25.41	18.88	18.28	18.61	18.30	17.96	18.55	25.12	18.69
18	20.35	18.44	20.75	24.82	18.76	18.32	18.74	18.29	17.82	18.52	25.07	17.83
19	19.53	18.84	20.40	24.01	18.62	18.31	18.59	18.28	17.95	18.49	24.67	17.46
20	23.61	18.86	19.99	23.06	18.51	18.38	18.42	18.27	17.90	18.47	24.03	17.19
21	26.60	18.76	19.75	21.90	18.36	18.54	18.28	18.28	17.60	18.47	23.26	17.01
22	26.73	18.62	19.59	20.87	18.23	18.59	18.26	18.30	16.84	18.46	22.04	17.17
23	26.43	18.41	20.52	20.06	18.41	19.05	18.26	18.34	16.23	18.49	20.57	17.40
24	25.90	18.16	21.74	19.81	18.42	20.34	18.32	18.37	16.35	18.48	19.38	17.86
25	25.22	18.50	21.42	19.61	18.44	20.18	18.33	18.37	16.59	18.46	18.92	17.86
26	24.26	21.55	21.03	19.47	18.49	20.30	18.32	18.36	17.10	18.43	18.51	17.52
27	22.95	21.26	20.60	19.30	18.49	21.01	18.31	18.34	17.87	18.41	18.14	17.07
28	21.50	20.30	20.03	19.19	18.44	22.15	18.28	18.34	18.38	18.41	17.85	16.77
29	20.17	-----	19.54	19.00	18.40	21.47	18.27	18.34	18.41	18.53	17.79	17.36
30	19.41	-----	19.38	18.89	18.36	20.37	18.25	18.31	18.37	18.70	18.22	17.07
31	19.06	-----	19.18	-----	18.26	-----	18.24	18.31	-----	18.42	-----	17.47

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	22.45	18.65	21.83	23.02	21.18	18.97	18.44	18.29	17.85	18.47	19.91	18.02
MAX	26.73	21.55	26.29	27.30	27.73	22.15	19.42	18.37	18.41	18.70	25.12	21.60
MIN	18.15	17.21	19.18	18.89	18.23	18.23	18.24	18.20	16.23	18.31	17.79	16.62
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 19.76.  
 HIGHEST STAGE WAS 27.76 AT 1:00 A.M. ON MAY 4.  
 LOWEST STAGE WAS 16.10 ON SEP 23.

## DAILY STAGE FOR 1993

BAYOU WAUKSHA NEAR LEBEAU, LA.

LOCATION. LAT. 30-42-05, LONG. 92-00-49. ON STATE HIGHWAY 10 BRIDGE, 3.1 MILES SOUTHWEST OF LEBEAU.  
(STA. 5824012A.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. DRAINAGE AREA, 95 SQUARE MILES.

RECORDS AVAILABLE. STAGE, MAY 1969 TO MAR. 4, 1993. DISCHARGE, 1969 TO 1972, 1979, AND 1983.

EXTREMES. HIGHEST, 31.64 FEET (CAUSED BY HURRICANE) ON NOV. 02, 1985. LOWEST, 15.97 FEET ON SEP. 28, 1976.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	18.63	18.64	20.16									
2	18.58	18.57	26.20									
3	18.49	18.17	27.79									
4	18.39	18.02	S									
5	18.38	18.01										
6	18.89	18.01										
7	19.78	18.01										
8	27.20	18.01										
9	27.50	18.01										
10	27.26	18.00										
11	27.25	21.73										
12	27.62	22.33										
13	27.62	20.25										
14	27.31	18.97										
15	26.84	18.36										
16	26.17	20.25										
17	25.10	22.85										
18	23.24	21.50										
19	20.48	19.45										
20	24.95	18.79										
21	28.36	18.51										
22	28.54	18.35										
23	28.42	18.31										
24	28.25	18.31										
25	28.03	18.30										
26	27.70	24.65										
27	27.13	24.65										
28	25.86	23.09										
29	22.17	-----										
30	20.00	-----										
31	18.88	-----		-----		-----		-----		-----		

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	24.29	19.65	24.72									
MAX	28.54	24.65	27.79									
MIN	18.38	18.00	20.16									
DAYS	31	28	3	0	0	0	0	0	0	0	0	0

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 62

S=DISCONTINUED

THE MEAN STAGE FOR THE YEAR WAS 22.21.

HIGHEST STAGE WAS 28.54 ON JAN 22.

LOWEST STAGE WAS 17.99 ON FEB 8.

## DAILY STAGE FOR 1993

BAYOU COURTABLEAU AT COURTABLEAU, LA.

LOCATION. LAT. 30-32-44. LONG. 91-52-28. ON U. S. HIGHWAY 190 BRIDGE. (STA. 5835012E.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

RECORDS AVAILABLE. INTERMITTENTLY, 1932 TO 1946. DAILY, SEP. 1, 1946 TO DATE.

EXTREMES. HIGHEST, 24.8 FEET ON MAY 25, 1953. LOWEST, 10.55 FEET ON SEP. 15, 1954.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	17.50	17.69	18.00	17.95	17.87	17.73	17.66		17.86	17.83	17.88	16.57
2	17.55	17.45	18.95	17.96	19.51	17.82	18.10		17.84	17.83	17.83	16.16
3	17.52	17.19	19.10	17.90	19.48	17.89	18.00		17.86	17.83	17.71	16.25
4	17.41	17.00	19.05	18.99	19.34	17.91	17.87		17.88	17.83	17.81	16.18
5	17.40	16.88	18.78	18.71	19.18	17.94	17.63		17.88	17.82	17.85	16.76
6	17.70	16.71	18.50	18.55	19.04	17.92	17.80		17.84	17.91	17.81	17.02
7	16.95	16.59	18.35	18.53	18.99	17.90	17.84		17.83	17.97	17.79	16.54
8	19.20	16.40	18.22	19.35	18.90	17.90	17.79		17.80	17.99	17.78	16.04
9	18.70	16.43	18.52	19.54	18.83	17.90	17.90		16.84	17.96	17.86	15.57
10	18.42	16.39	18.45	19.53	18.78	17.90	18.01		17.05	18.01	17.86	16.12
11	18.30	17.35	18.22	19.40	18.68	17.92	17.86		17.36	18.01	17.92	17.59
12	18.60	17.11	17.99	19.17	18.57	17.94	17.65		17.78	17.99	17.92	18.04
13	18.62	17.89	18.02	19.01	18.45	17.90	17.92		17.94	18.01	17.91	17.87
14	18.45	17.90	17.82	18.92	18.36	17.86	17.88		17.34	18.05	17.88	17.92
15	18.21	17.75	18.12	19.00	18.25	17.84	17.84		17.72	18.08	19.09	17.58
16	18.05	17.80	18.40	18.95	18.07	17.81	17.81		17.66	18.07	18.72	17.07
17	17.86	18.40	18.30	18.89	17.97	17.84	18.03		17.50	18.03	18.69	16.61
18	17.65	16.49	18.17	18.84	17.90	17.85	18.13		17.32	18.03	18.56	16.27
19	17.40	17.85	17.97	18.74	17.86	17.85	18.03		17.48	18.01	18.29	16.45
20	18.29	17.90	17.78	18.66	17.80	17.88	17.95		17.43	18.00	18.07	16.16
21	19.49	17.82	18.00	18.59	17.71	17.97	17.82		17.21	18.02	18.64	15.96
22	19.49	17.80	17.93	18.50	17.52	17.97	17.79		16.28	18.00	18.15	16.34
23	19.28	17.65	18.12	18.43	17.83	17.96	17.75		15.64	18.01	17.85	16.03
24	19.00	17.50	18.46	18.35	17.86	18.60	17.86		15.82	18.01	17.34	16.66
25	18.77	17.19	18.24	18.26	17.89	17.82	17.88		16.03	18.00	17.47	16.82
26	18.62	18.70	18.02	18.21	17.89	18.44	17.87		16.54	17.99	17.18	16.60
27	18.49	18.20	18.20	18.14	17.90	18.47		17.87	17.32	17.97	16.91	16.18
28	18.30	17.85	18.08	18.07	17.88	18.64		17.88	17.86	17.96	16.64	15.78
29	18.10	-----	17.91	17.94	17.84	18.30		17.90	17.87	17.99	16.42	16.39
30	17.91	-----	18.05	17.89	17.82	18.03		17.86	17.85	17.86	17.57	15.71
31	17.80	-----	17.99	-----	17.78	-----		17.86	-----	17.76	-----	16.55

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	18.23	17.42	18.25	18.63	18.31	17.99	17.87	17.87	17.35	17.96	17.85	16.57
MAX	19.49	18.70	19.10	19.54	19.51	18.64	18.13	17.90	17.94	18.08	19.09	18.04
MIN	16.95	16.39	17.78	17.89	17.52	17.73	17.63	17.86	15.64	17.76	16.42	15.57
DAYS	31	28	31	30	31	30	26	5	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 334

THE MEAN STAGE FOR THE YEAR WAS 17.84.

HIGHEST STAGE WAS 19.6 at 7:00 A. M. ON MAY 2.

LOWEST STAGE WAS 15.56 ON SEP 23.



## DAILY STAGE FOR 1993

## BAYOU COURTABLEAU ABOVE DRAINAGE STRUCTURE (LA.)

LOCATION. LAT. 30-31-58, LONG. 91-51-30. ON RIGHT BANK OF INLET CHANNEL, 500 FEET ABOVE DRAINAGE STRUCTURE, 1.7 MILES SOUTHEAST OF COURTABLEAU, LA. (STA. 5840012E.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. MAR. 18, 1957 TO DATE.

EXTREMES. HIGHEST, 20.60 FEET ON FEB. 7, 1974. LOWEST, 10.30 FEET ON OCT. 28, 1974.

## DAILY SEVEN A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	17.50	17.80	18.00	17.90	17.85	17.70	17.65	17.75	17.85	17.85	17.85	16.50
2	17.55	17.40	18.70	17.85	19.40	17.75	18.10	17.75	17.85	17.85	17.80	16.00
3	17.50	17.30	18.70	17.90	19.10	17.75	17.95	17.80	17.85	17.85	17.70	16.20
4	17.45	17.10	18.65	18.90	19.00	17.85	17.80	17.80	17.85	17.85	17.75	16.10
5	17.40	17.00	18.50	18.45	18.95	17.85	17.65	17.80	17.85	17.85	17.80	16.50
6	17.60	16.80	18.20	18.30	18.85	17.90	17.70	17.80	17.80	17.90	17.75	16.90
7	16.80	16.70	18.10	18.40	18.80	17.90	17.70	17.80	17.80	17.95	17.75	16.40
8	19.00	16.50	18.00	18.90	18.75	17.85	17.70	17.80	17.80	17.95	17.70	16.00
9	18.40	16.55	18.40	19.10	18.75	17.85	17.80	17.85	16.90	17.95	17.80	15.50
10	18.25	16.40	18.35	19.10	18.70	17.80	17.80	17.80	16.90	17.95	17.80	15.90
11	18.10	17.30	18.25	19.00	18.60	17.80	17.85	17.80	17.30	18.00	17.85	17.50
12	18.20	17.25	17.90	18.85	18.50	17.85	17.70	17.80	17.50	18.00	17.90	17.70
13	18.30	17.50	17.80	18.80	18.40	17.90	17.80	17.80	17.70	18.00	17.90	17.80
14	18.35	17.90	17.85	18.75	18.35	17.80	17.85	17.80	17.40	18.00	17.85	17.90
15	18.25	18.00	17.55	18.85	18.35	17.80	17.80	17.80	17.65	18.05	18.90	17.60
16	18.00	17.70	18.30	18.80	18.10	17.75	17.70	17.80	17.70	18.05	18.40	17.10
17	17.80	18.10	18.20	18.85	17.95	17.75	17.90	17.85	17.45	18.05	18.40	16.50
18	17.65	17.30	18.10	18.80	17.85	17.80	18.05	17.85	17.45	18.00	18.30	16.05
19	17.50	17.85	17.90	18.70	17.80	17.80	18.10	17.85	17.40	18.00	18.10	16.40
20	17.25	18.00	17.65	18.60	17.75	17.85	17.90	17.80	17.40	18.00	17.80	16.30
21	18.90	17.90	17.95	18.50	17.70	17.90	17.80	17.85	17.20	18.05	18.50	15.95
22	19.20	17.80	17.90	18.45	17.50	17.90	17.70	17.85	16.50	18.05	18.00	16.20
23	19.00	17.70	18.00	18.40	17.65	17.85	17.70	17.85	16.30	18.00	17.70	15.90
24	18.85	17.50	18.40	18.30	17.80	18.50	17.70	17.85	16.00	18.00	17.30	16.60
25	18.75	17.25	18.20	18.20	17.85	17.70	17.70	17.90	16.20	18.05	17.40	16.60
26	18.60	18.70	17.90	18.15	17.85	18.20	17.70	17.90	16.40	17.95	17.10	16.60
27	18.50	18.10	18.20	18.10	17.85	18.35	17.75	17.85	16.55	17.95	16.80	16.55
28	18.30	17.70	18.15	18.00	17.80	18.50	17.80	17.85	17.80	17.95	16.60	15.75
29	18.20	-----	17.90	17.90	17.80	18.20	17.80	17.85	17.80	17.95	16.40	16.10
30	17.90	-----	18.00	17.85	17.75	18.00	17.80	17.90	17.85	17.90	17.50	15.70
31	17.85	-----	17.95	-----	17.75	-----	17.80	17.85	-----	17.90	-----	16.40

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	18.09	17.47	18.12	18.49	18.23	17.91	17.80	17.83	17.33	17.96	17.75	16.49
MAX	19.20	18.70	18.70	19.10	19.40	18.50	18.10	17.90	17.85	18.05	18.90	17.90
MIN	16.80	16.40	17.55	17.85	17.50	17.70	17.65	17.75	16.00	17.85	16.40	15.50
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 17.79.

HIGHEST STAGE WAS 19.40 ON MAY 2.

LOWEST STAGE WAS 15.50 ON DEC 9.

## DAILY GATE-OPENINGS FOR 1993

## BAYOU COURTABLEAU DRAINAGE STRUCTURE

PHYSICAL DATA. DRAINAGE STRUCTURE CONSISTS OF FIVE GATES, EACH TEN FEET WIDE. ALL GATES ARE OPEN THE SAME AMOUNT UNLESS OTHERWISE NOTED.

## DAILY SEVEN A.M. GATE OPENINGS IN FEET

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	15	3	0	0	0	5	0	0	0	0	5
2	0	15	3	0	0	0	0	0	0	0	0	5
3	0	15	15	0	15	0	0	0	0	0	0	2
4	0	15	15	0	15	0	0	0	0	0	0	2
5	0	15	15 B	15	15	0	0	0	0	0	0	2
6	0	7	15 B	15	15	0	0	0	0	0	0	2
7	4	7	15	10	15	0	0	0	0	0	0	3
8	4	7	15	10	15	0	0	0	0	0	0	3
9	15	0	7	15	15	0	0	0	0	0	0	3
10	15	0	7	15	15	0	0	0	0	0	0	0
11	15	0	7	15	15	0	0	0	0	0	0	3
12	15	7	7	15	15	0	0	0	0	0	0	3
13	15	0	7	15	15	0	0	0	0	0	0	3
14	15	0	7	15	15	0	0	0	0	0	0 F	15
15	15	0	7	15	15	0	0	0	0	0	0	15
16	15	0	0	15	0	0	0	0	0	0	15	15
17	15	0	5	15	0	0	0	0	0	0	15	15
18	15	15	5	0	0	0	0	0	0	0	15	15
19	15	0	5	0	0	0	0	0	0	0	15	4
20	15	0	5	0	0	0	0	0	0	0	15	4
21	15	0	2	0	0	0	0	0	0	0 C	3	4
22	15	0	2	0	0	0	0	0	0	0	10	0
23	15	0	2	0	0	0	0	0	0	0 E	10	5
24	15	0	4	0	0	0	0	0	0	0 E	10	3
25	15	0 A	6	15	0	8	0	0	0	0 D	7	3
26	15	0	6	15	0	2	0	0	0	0 D	7	3
27	15	7	3	15	0	2	0	0	0	0 D	7	3
28	15	7	3	15	0	2	0	0	0	0 D	7	3
29	15	-----	3	0	0	5	0	0	0	0 D	7	1
30	15	-----	0	0	0	5	0	0	0	0	0	7
31	15	-----	0	-----	0	-----	0	0	-----	0	-----	0

- A - 4 GATES OPEN 6 FEET, 1 GATE  
 B - 4 GATES OPEN 15 FEET, 1 GATE OPEN 6 FEET.  
 C - 4 GATES OPEN 3 FEET, 1 GATE CLOSED.  
 D - 4 GATES OPEN 7 FEET, 1 GATE CLOSED.  
 E - 3 GATES OPEN 10 FEET, 2 GATES CLOSED.  
 F - 4 GATES OPEN 15 FEET, 1 GATE OPEN 3 FEET.



## DAILY STAGE FOR 1993

WABPL BORROW PIT (LS) AT NEW HENDERSON LANDING, LA.

LOCATION. LAT. 30-18-47, LONG. 91-47-20. ON WABPL BRIDGE. (STA. 5860012D.)

GAGE. AUTOMATIC RECORDER AND WIRE-WEIGHT.

GENERAL INFORMATION. FROM 1932, GAGE WAS KNOWN AS HENDERSON LS

RECORDS AVAILABLE. JAN. 13, 1932 TO DATE.

EXTREMES. HIGHEST, 18.4 FEET ON MAR. 11, 1932. LOWEST, MINUS 0.95 FOOT ON JAN. 13, 1956.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.16	2.41	1.75	1.63	2.45	1.58	1.88	1.17	1.25	1.78	1.63	1.31
2	0.85	2.13	3.55	1.16	5.46	1.50	1.88	1.19	1.35	1.97	1.57	1.59
3	1.11	1.96	5.64	1.05	6.15	1.86	1.70	1.32	1.52	1.78	1.62	1.82
4	1.45	1.93	4.90	4.35	5.95	1.99	1.61	1.45	1.61	1.63	1.63	2.18
5	1.50	2.04	3.94	5.06	5.64	2.10	1.79	1.43	1.39	1.62	1.91	1.76
6	1.38	1.73	3.02	3.70	5.25	2.07	1.89	1.55	1.53	1.65	1.37	1.61
7	1.56	1.40	2.41	3.24	4.87	2.05	1.82	1.57	1.56	1.73	0.89	1.30
8	6.90	1.20	1.99	7.10	4.60	2.20	1.64	1.50	1.55	1.89	0.95	1.44
9	5.82	1.18	2.30	8.31	4.39	2.38	1.45	1.45	1.60	2.08	1.28	1.57
10	4.39	1.32	2.32	8.26	4.25	2.28	1.57	1.39	1.65	1.81	1.30	1.76
11	4.06	1.70	1.93	7.93	3.97	2.05	1.73	1.35	1.45	1.46	1.44	2.03
12	4.91	1.86	1.38	7.21	3.45	1.89	1.55	1.35	1.40	1.57	1.74	1.71
13	4.38	1.56	1.00	6.43	3.39	1.68	1.56	1.44	1.76	1.81	2.02	1.96
14	3.63	1.47	0.68	5.85	2.98	1.47	1.65	1.44	2.15	2.03	2.35	3.18
15	3.05	1.55	0.69	6.46	2.62	1.23	1.63	1.44	2.20	1.96	5.60	2.13
16	2.69	2.03	1.50		2.23	1.27	1.68	1.39	1.83	1.97	7.05	1.67
17	2.37	2.21	2.05		1.99	1.50	1.73	1.27	1.60	2.04	6.49	1.63
18	2.21	1.23	1.80		1.88	1.80	1.94	1.18	1.70	2.18	5.39	1.50
19	2.00	1.01	1.67		1.99	2.10	1.78	1.26	1.85	2.28	4.00	1.45
20	4.30	1.30	1.65		1.65	2.40	1.73	1.38	2.06	2.31	3.02	1.57
21	8.65	1.70	1.51		1.60	2.55	1.41	1.55	2.12	2.21	3.20	1.24
22	9.12	1.60	1.43		1.73	2.70	1.25	1.55	2.06	1.70	2.54	1.15
23	8.80	1.33	1.45		2.01	2.45	1.27	1.56	2.02	1.26	2.07	1.12
24	8.23	1.35	1.67		2.43	3.30	1.24	1.43	1.88	1.38	1.74	0.95
25	7.16	1.65	1.87		2.33	2.45	1.20	1.29	1.82	1.61	1.52	1.12
26	5.99	4.09	1.54 F	2.85	2.26	2.73	1.18	1.19	1.90	1.85	1.28	0.82
27	4.86	2.56	1.52	2.62	2.07	2.79	1.15	1.43	1.87	1.65	0.84	0.92
28	4.13	1.78	1.55	2.50	2.09	3.32	1.23	1.60	1.42	1.37	0.78	1.08
29	3.54	-----	1.49	2.39	2.11	2.64	1.27	1.51	1.42	1.66	1.00	1.10
30	3.01	-----	1.65	2.41	2.04	2.24	1.31	1.47	1.57	2.44	1.17	0.72
31	2.69	-----	1.78	-----	1.91	-----	1.28	1.35	-----	2.05	-----	0.69

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	4.06	1.76	2.05	4.53	3.15	2.15	1.55	1.40	1.70	1.83	2.31	1.49
MAX	9.12	4.09	5.64	8.31	6.15	3.32	1.94	1.60	2.20	2.44	7.05	3.18
MIN	0.85	1.01	0.68	1.05	1.60	1.23	1.15	1.17	1.25	1.26	0.78	0.69
DAYS	31	28	31	20	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 355

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 2.27.

HIGHEST STAGE WAS 9.12 AT 8:00 A.M. ON JAN 22.

LOWEST STAGE WAS 0.53 ON MAR 14 AND LATER DATE(S).

## DAILY STAGE FOR 1993

## WABPL BORROW PIT (LS) AT LOWER GRAND BAYOU (LA.)

LOCATION. LAT. 30-04-26, LONG. 91-37-23. ON PILING AT LEVEE STATION 3907+00 IN LAKE DAUTERIVE,  
JUST WEST OF GRAND BAYOU. (STA. 5870012D.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1936 TO 1943. DAILY, JAN. 2, 1944 TO DATE.

EXTREMES. HIGHEST, 8.6 FEET FROM JUNE 6 TO 8, 1953. LOWEST, MINUS 0.30 FOOT ON NOV. 3, 1966.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.24	2.45	1.67	1.60	2.39	1.58	1.95	1.19	1.23	1.78	1.59	1.39
2	0.91	2.18	2.13	1.16	2.87	1.53	1.73	1.23	1.32	1.96	1.55	1.64
3	1.15	2.03	2.76	1.11	3.09	1.89	1.61	1.34	1.50	1.78	1.61	1.83
4	1.46	2.00	2.74	2.06	3.11	1.99	1.58	1.50	1.57	1.59	1.60	2.14
5	1.66	2.10	2.60	2.69	3.13	2.06	1.81	1.44	1.37	1.63	1.88	1.75
6	1.41	1.82	2.36	2.54	3.11	2.02	1.90	1.58	1.53	1.66	1.43	1.60
7	1.48	1.46	2.10	2.46	3.07	1.99	1.82	1.58	1.57	1.73	0.88	1.31
8	2.70	1.28	1.84	3.33	3.04	2.12	1.64	1.52	1.63	1.89	1.02	1.45
9	2.91	1.26	1.68	4.05	3.04	2.29	1.42	1.48	1.65	2.08	1.28	1.56
10	2.91	1.35	1.67	4.24	3.03	2.20	1.51	1.41	1.73	1.78	1.33	1.71
11	3.16	1.72	1.59	4.30	2.91	1.98	1.67	1.41	1.55	1.45	1.45	1.90
12	3.20	1.92	1.30	4.31	2.74	1.81	1.62	1.44	1.50	1.58	1.71	1.61
13	3.11	1.55	0.95	4.26	2.64	1.64	1.63	1.54	1.80	1.85	2.00	1.90
14	2.91	1.45	0.65	4.18	2.38	1.44	1.72	1.53	2.20	2.04	2.23	2.48
15	2.73	1.55	0.73	4.37	2.19	1.24	1.65	1.50	2.26	1.94	2.54	2.05
16	2.52	1.97	1.26	4.30	2.06	1.34	1.71	1.39	1.85	1.96	3.23	1.68
17	2.30	1.65	1.74	4.15	1.90	1.54	1.71	1.29	1.62	2.05	3.51	1.60
18	2.15	1.33	1.57	3.95	1.94	1.82	1.72	1.20	1.69	2.16	3.40	1.52
19	1.97	1.05	1.69	3.80	1.94	2.06	1.70	1.30	1.85	2.27	3.20	1.45
20	2.29	1.38	1.67	3.65	1.60	2.34	1.64	1.40	2.06	2.34	2.83	1.60
21	3.41	1.70	1.48	3.35	1.62	2.44	1.40	1.55	2.14	2.23	2.52	1.32
22	3.82	1.67	1.48	3.18	1.75	2.47	1.25	1.54	2.10	1.68	2.29	1.23
23	3.96	1.38	1.42	3.00	2.02	2.35	1.28	1.54	2.08	1.23	2.00	1.18
24	3.92	1.40	1.31	2.91	2.31	2.32	1.22	1.45	1.95	1.41	1.72	1.06
25	3.97	1.68	1.44	2.83	2.27	2.28	1.20	1.32	1.88	1.63	1.51	1.20
26	3.87	2.19	1.44	2.61	2.16	2.12	1.20	1.23	1.95	1.88	1.29	0.86
27	3.71	1.92	1.29	2.38	1.99	2.09	1.74	1.44	1.90	1.62	0.85	0.99
28	3.52	1.76	1.41	2.35	2.02	2.12	1.33	1.56	1.39	1.31	0.80	1.15
29	3.28	-----	1.48	2.30	2.07	2.20	1.35	1.48	1.41	1.70	1.04	1.21
30	2.97	-----	1.59	2.35	2.04	2.16	1.31	1.45	1.57	2.38	1.19	0.80
31	2.72	-----	1.77	-----	1.92	-----	1.31	1.32	-----	2.06	-----	0.80

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.69	1.69	1.64	3.13	2.40	1.98	1.56	1.42	1.73	1.83	1.85	1.48
MAX	3.97	2.45	2.76	4.37	3.13	2.47	1.95	1.58	2.26	2.38	3.51	2.48
MIN	0.91	1.05	0.65	1.11	1.60	1.24	1.20	1.19	1.23	1.23	0.80	0.80
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
THE MEAN STAGE FOR THE YEAR WAS 1.95.  
HIGHEST STAGE WAS 4.39 AT 3:00 A. M. ON APR 15.  
LOWEST STAGE WAS 0.58 ON MAR 15.

## DAILY STAGE FOR 1993

BAYOU BOEUF NEAR WOODWORTH, LA.

LOCATION. LAT. 31-12-08, LONG. 92-30-38. ON U. S. HIGHWAY 165 BRIDGE, 3.8 MILES NORTH OF WOODWORTH, LA.  
(STA. 6125015.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. DAILY, MAY 4, 1939 TO JUNE 30, 1942, AND SEP. 27, 1962 TO DATE.  
INTERMITTENTLY, 1942 TO 1957.

EXTREMES. HIGHEST, 72.4 FEET (FROM WATERMARK) IN MAY 1953. LOWEST, 59.59 FEET ON JUNE 17, 1970.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	62.92	62.86	63.25	63.88	63.59	62.62	63.82	62.16	62.45	62.90	62.76	62.89
2	63.30	62.85	67.02	63.47	66.75	62.55	63.24	62.13	62.38	62.84	62.82	62.90
3	62.89	62.85	68.09	63.23	66.93	62.50	62.98	62.09	62.35	62.81	62.60	62.89
4	62.71	62.81	67.92	65.29	66.27	62.46	62.81	62.07	62.35	62.84	62.66	63.35
5	63.53	62.77	67.46	66.28	65.12	62.56	62.73	62.27	62.45	62.85	62.73	63.75
6	63.76	62.82	67.18	65.88	64.11	62.64	62.63	62.24	62.50	62.87	62.69	63.37
7	63.52	62.82	65.81	65.00	63.59	62.69	62.54	62.20	62.74	62.87	62.64	63.25
8	65.96	62.78	64.75	67.05	63.35	62.72	62.48	62.16	62.85	62.81	62.66	63.18
9	66.07	62.74	63.97	68.08	63.16	62.68	62.44	62.36	62.85	62.84	62.82	63.14
10	65.56	62.70	63.67	68.12	63.94	62.65	62.57	62.28	62.81	63.04	63.09	63.95
11	65.35	62.97	63.71	67.83	64.16	62.61	62.92	62.13	62.93	63.09	62.96	64.88
12	65.01	63.26	64.55	67.36	63.61	62.72	62.72	61.98	62.80	63.09	62.85	64.08
13	65.05	63.54	65.18	66.65	63.33	62.70	62.60	61.85	62.67	62.96	62.84	63.65
14	64.42	63.54	64.45	65.66	63.16	62.81	62.51	61.77	62.63	63.28	62.92	65.71
15	64.00	63.18	63.92	66.61	63.03	62.74	62.75	61.64	63.23	63.21	66.09	65.21
16	63.68	63.56	63.70	66.72	62.94	62.69	64.53	61.54	62.92	63.01	66.58	T
17	63.47	63.77	64.96	65.90	62.87	62.66	64.83	61.47	62.84	62.94	67.37	
18	63.05	63.13	65.60	64.81	62.77	62.63	63.78	61.38	62.64	62.92	67.55	
19	63.06	63.02	65.24	64.04	62.92	62.64	63.08	61.46	62.62	62.91	67.03	
20	63.90	62.96	64.52	63.64	62.88	62.74	62.81	61.51	62.75	62.73	66.14	
21	66.93	62.99	64.57	63.51	62.79	63.15	62.67	61.62	62.77	62.81	65.16	
22	66.90	63.00	64.28	63.33	62.71	63.72	62.55	61.75	62.75	63.17	63.74	
23	66.15	63.03	65.43	63.29	62.69	63.85	62.48		62.76	63.11	63.66	
24	65.27	63.04	65.89	63.21	62.69	64.85	62.38		62.74	62.94	63.17	
25	64.73	62.96	65.34	63.15	63.14	64.28	62.28	62.17	62.74	62.80	63.06	
26	63.78	65.05	64.62	63.02	63.00	63.84	62.19	62.56	62.75	62.74	62.97	
27	63.52	64.04	63.96	62.93	62.86	63.98	62.08	62.65	63.26	62.71	63.30	
28	63.27	63.74	63.62	62.88	62.84	65.75	62.15	62.64	63.09	62.76	63.08	
29	63.06	-----	63.38	62.84	62.78	65.67	62.15	62.63	63.00	62.69	62.88	
30	63.53	-----	63.23	63.40	62.72	64.93	62.22	62.53	62.95	63.08	62.85	
31	63.05	-----	63.83	-----	62.69	-----	62.20	62.46	-----	63.09	-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	64.24	63.17	64.94	64.90	63.53	63.23	62.78	62.06	62.75	62.93	63.79	63.75
MAX	66.93	65.05	68.09	68.12	66.93	65.75	64.83	62.65	63.26	63.28	67.55	65.71
MIN	62.71	62.70	63.23	62.84	62.69	62.46	62.08	61.38	62.35	62.69	62.60	62.89
DAYS	31	28	31	30	31	30	31	29	30	31	30	15

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 347  
 T=TEMPORALLY DISCONTINUED DUE TO BRIDGE CONSTRUCTION.  
 THE MEAN STAGE FOR THE YEAR WAS 63.50.  
 HIGHEST STAGE WAS 68.16 AT 10:00 A. M. ON APR 9.  
 LOWEST STAGE WAS 61.35 ON AUG 18.

## DAILY STAGE FOR 1993

## BAYOU BOEUF NEAR LAMOURIE, LA.

LOCATION. LAT. 31-09-10, LONG. 92-25-51. DOWNSTREAM OF ROBERTSON ROAD BRIDGE, 0.7 MILE ABOVE JUNCTION WITH BAYOU LAMOURIE AND TWO MILES NORTHWEST OF LAMOURIE, LA. (STA. 6128015.)

GAGE. STAFF TYPE.

GENERAL INFORMATION. FROM 1937 TO 1938 GAGE WAS KNOWN AS BAYOU BOEUF AT HIGHWAY BRIDGE 1/2 MILE ABOVE BAYOU LAMOURIE, AND IN 1939 AS BAYOU BOEUF, 3/4 MILE ABOVE BAYOU LAMOURIE.

RECORDS AVAILABLE. OCT 12, 1937 TO DATE.

EXTREMES. HIGHEST, 72.4 FEET ON MAY 18 AND 19, 1953. LOWEST, 59.2 FEET FROM SEPT. 5 TO 11, 1939.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	62.90	62.78	62.87	63.29	63.35	62.50	63.18	61.90	62.35	62.80	62.60	62.67
2	62.81	62.77	66.30	63.08	65.85	62.40	62.85	61.90	62.30	62.75	62.60	62.70
3	62.74	62.76	66.72	62.91	65.61	62.31	62.68	61.88	62.25	62.75	62.50	62.70
4	62.68	62.75	66.29	64.21	64.80	62.25	62.65	61.87	62.20	62.70	62.50	63.00
5	63.12	62.73	65.60	64.69	64.00	62.40	62.55	62.01	62.20	62.75	62.50	63.02
6	63.10	62.71	64.90	64.30	63.50	62.45	62.50	62.00	62.20	62.75	62.48	62.92
7	63.14	62.69	64.08	63.81	63.20	62.55	62.40	62.00	62.50	62.73	62.48	62.90
8	64.79	62.69	63.53	66.00	63.00	62.60	62.37	61.95	62.60	62.71	62.48	62.89
9	64.54	62.68	63.29	66.71	62.90	62.58	62.35	62.13	62.65	62.70	62.60	62.88
10	64.12	62.67	63.11	66.55	63.50	62.55	62.45	62.15	62.68	62.80	62.75	63.30
11	63.98	62.80	63.01	65.98	63.55	62.50	62.60	62.00	62.65	62.78	62.75	63.50
12	63.96	62.86	63.49	65.50	63.20	62.60	62.56	61.80	62.65	62.78	62.65	63.30
13	63.78	62.84	63.80	64.91	63.00	62.60	62.47	61.70	62.65	62.75	62.67	63.11
14	63.40	62.78	63.51	64.31	62.95	62.70	62.36	61.65	62.65	62.89	62.70	64.00
15	63.17	62.70	63.21	65.30	62.80	62.62	62.50	61.60	62.70	62.89	62.52	63.86
16	63.01	62.88	63.15	65.28	62.70	62.60	63.02	61.40	62.70	62.80	64.70	63.49
17	62.85	62.84	63.58	64.50	62.70	62.57	63.37	61.30	62.69	62.80	65.72	63.28
18	62.84	62.80	63.79	63.81	62.63	62.52	63.18	61.30	62.68	62.78	65.41	63.10
19	62.90	62.74	63.70	63.42	62.60	62.45	62.78	61.20	62.68	62.78	64.71	63.09
20	63.22	62.70	63.49	63.21	62.57	62.73	62.65	61.35	62.80	62.65	64.25	63.00
21	65.45	62.69	63.51	63.10	62.55	62.80	62.50	61.50	62.80	62.52	63.68	63.00
22	65.05	62.67	63.45	63.00	62.55	62.85	62.50	61.75	62.79	62.70	63.39	63.12
23	64.53	62.65	64.05	62.90	62.50	63.05	62.40	61.90	62.76	62.68	62.91	63.38
24	64.01	62.64	64.21	62.87	62.50	63.70	62.28	62.00	62.75	62.60	62.79	63.30
25	63.60	62.63	63.99	62.80	62.70	63.45		62.10	62.75	62.55	62.73	63.14
26	63.26	63.50	63.60	62.75	62.75	63.20		62.20	62.75	62.50	62.69	63.00
27	63.04	63.35	63.30	62.70	62.65	63.56		62.30	63.00	62.50	62.68	63.00
28	62.95	63.03	63.12	62.65	62.65	64.10		62.40	62.90	62.48	62.62	62.98
29	62.90	-----	63.00	62.61	62.60	64.00		62.40	62.80	62.50	62.65	62.98
30	62.84	-----	62.90	62.90	62.58	63.66		62.38	62.75	62.65	62.60	62.96
31	62.80	-----	63.20	-----	62.50	-----		62.38	-----	62.65	-----	62.90

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	63.47	62.80	63.86	64.00	63.13	62.83	62.63	61.88	62.63	62.70	63.08	63.11
MAX	65.45	63.50	66.72	66.71	65.85	64.10	63.37	62.40	63.00	62.89	65.72	64.00
MIN	62.68	62.63	62.87	62.61	62.50	62.25	62.28	61.20	62.20	62.48	62.48	62.67
DAYS	31	28	31	30	31	30	24	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 358  
 THE MEAN STAGE FOR THE YEAR WAS 63.02.  
 HIGHEST STAGE WAS 66.72 ON MAR 3.  
 LOWEST STAGE WAS 61.20 ON AUG 19.

## DAILY STAGE FOR 1993

BAYOU BOEUF NEAR LECOMPTE, LA.

LOCATION. LAT. 31-06-48, LONG. 92-25-52. ABOUT 3.8 MILES ABOVE HIGHWAY 112, 3.2 MILES NORTHWEST OF LECOMPTE, LA. (STA. 6140015.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. JUNE 28, 1948 TO DATE.

EXTREMES. HIGHEST, 71.8 FEET ON MAY 18 AND 19, 1953. LOWEST, BELOW 59 FEET, ON AUG. 16 AND 17, 1951.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	62.90	62.80	63.00	63.30	63.00	62.50	63.10	61.90	62.30	62.80	62.70	62.70
2	62.90	62.80	65.60	63.10	65.20	62.50	63.00	61.90	62.30	62.70	62.65	62.70
3	62.80	62.80	66.00	63.00	65.00	62.50	62.80	61.80	62.30	62.70	62.60	62.70
4	62.80	62.80	65.40	63.70	64.30	62.40	62.60	61.80	62.30	62.60	62.55	62.95
5	62.90	62.80	64.90	64.30	63.90	62.40	62.60	61.90	62.30	62.60	62.50	63.10
6	63.20	62.90	64.40	64.00	63.50	62.40	62.50	62.20	62.30	62.50	62.40	63.00
7	63.30	62.90	63.90	63.50	63.20	62.40	62.50	62.20	62.30	62.50	62.40	63.00
8	64.10	62.90	63.50	65.30	63.10	62.30	62.40	62.20	62.60	62.45	62.40	62.95
9	64.20	62.80	63.20	66.10	63.10	62.30	62.40	62.30	62.70	62.45	62.60	62.90
10	63.90	62.80	63.00	65.80	63.50	62.30	62.40	62.20	62.70	62.85	62.65	63.40
11	63.80	62.90	63.00	65.20	63.30	62.30	62.50	62.00	62.60	62.80	62.70	63.30
12	63.80	62.90	63.40	64.80	63.20	62.60	62.50	61.90	62.60	62.80	62.70	63.25
13	63.50	62.90	63.60	64.30	63.10	62.60	62.45	61.80	62.50	62.80	62.75	63.80
14	63.40	62.90	63.40	63.80	63.10	62.70	62.40	61.80	62.50	63.00	62.80	63.70
15	63.30	62.80	63.30	64.60	63.00	62.70	62.50	61.70	62.70	63.00	64.20	63.40
16	63.10	63.00	63.20	64.50	62.80	62.60	63.00	61.70	62.70	62.90	64.35	63.40
17	63.00	63.00	63.50	64.20	62.70	62.50	63.00	61.60	62.70	62.80	65.00	63.30
18	62.80	62.90	63.40	63.80	62.60	62.50	63.00	61.60	62.65	62.70	64.60	63.10
19	62.90	62.80	63.40	63.40	62.80	62.50	62.90	61.50	62.65	62.70	64.20	63.00
20	63.10	62.80	63.50	63.20	62.80	62.70	62.70	61.50	62.70	62.60	63.90	63.00
21	64.70	62.80	63.50	63.10	62.70	62.90	62.60	61.60	62.60	62.70	63.50	63.10
22	64.30	62.80	63.30	63.00	62.70	62.90	62.50	61.70	62.60	62.70	63.10	63.10
23	64.10	62.80	63.80	63.00	62.60	63.10	62.40	62.00	62.50	62.60	62.90	63.30
24	63.70	62.80	63.90	62.90	62.60	63.30	62.30	62.00	62.40	62.60	62.90	63.30
25	63.50	62.70	63.50	62.90	62.80	63.30	62.20	62.00	62.40	62.60	62.85	63.20
26	63.30	63.40	63.50	62.80	62.80	63.40	62.20	62.45	62.40	62.50	62.85	63.20
27	63.00	63.30	63.40	62.80	62.70	63.40	62.10	62.45	63.00	62.50	62.80	63.10
28	63.00	63.30	63.30	62.70	62.70	63.70	62.10	62.40	63.00	62.40	62.80	63.10
29	62.90	-----	63.10	62.60	62.60	63.50	62.00	62.40	62.95	62.40	62.80	63.00
30	62.90	-----	63.00	62.90	62.60	63.50	62.00	62.40	62.90	62.70	62.75	63.00
31	62.80	-----	63.30	-----	62.60	-----	61.90	62.30	-----	62.70	-----	63.00

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	63.35	62.90	63.68	63.75	63.12	62.76	62.50	61.97	62.57	62.67	63.06	63.13
MAX	64.70	63.40	66.00	66.10	65.20	63.70	63.10	62.45	63.00	63.00	65.00	63.80
MIN	62.80	62.70	63.00	62.60	62.60	62.30	61.90	61.50	62.30	62.40	62.40	62.70
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 62.96.

HIGHEST STAGE WAS 66.10 ON APR 9.

LOWEST STAGE WAS 61.50 ON AUG 19 AND LATER DATE(S).



## DAILY STAGE FOR 1993

BAYOUS RAPIDES, BOEUF AND COCODRIE DIVERSION CHANNEL AT MILBURN, LA.

LOCATION. LAT. 30-51-58, LONG. 92-13-52. ON HIGHWAY 106 BRIDGE (NEAR INTERSTATE 49), ONE MILE WEST OF MILBURN, LA. (STA. 6160012A.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1949 TO 1958. DAILY, JULY 23, 1958 TO DATE.

EXTREMES. HIGHEST, 49.30 FEET (FROM WATERMARK) IN MAY 1953. LOWEST, 25.53 FEET ON OCT. 15, 1987 AND LATER DATE(S).

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	28.49	27.88	28.79	29.57	28.71	26.89	30.33			27.72 F	26.95	27.16
2	28.13	27.78	29.47	29.30	29.73		28.84			27.49		27.45
3	27.91	27.80	40.15	28.57	39.70		27.89			27.40		27.45
4	27.78	27.71	39.90	32.25	38.76		27.35			27.32		27.65
5	29.80	27.68	39.14	35.55	35.73		27.11			27.35		29.30
6	29.55	27.68	37.81	34.77	33.28		27.09			27.36		28.91
7	29.55	27.62	35.59	33.15	31.55		27.08		F 25.85	27.35		28.44
8	36.65	27.52	33.32	38.85	30.35		27.07			27.30		28.38
9	35.68	27.40	31.38	40.16	29.40			F 26.98 F	27.03	27.28 F	27.05	28.25
10	34.38	27.50	30.20	39.91 F	28.54 F	27.05			27.19	27.63	27.64	28.72
11	34.15	27.90	29.24	39.25	31.29	29.95			27.23	27.70	27.57	31.76
12	37.32	28.09	29.90	38.49	30.37	27.55			27.13	27.60	27.26	31.00
13	36.15	28.10	31.90	37.45	29.31	27.33 F	26.72		27.05	27.49	27.08	29.75
14	33.10	27.80	31.57	35.52	28.67	27.15			27.29	28.45	27.13	32.50
15	31.45	27.60	30.38	35.95	28.25	27.32			27.28	28.21	37.20	32.67
16	30.25	31.75	29.55	36.68	27.90	27.17	27.77		27.31	27.94	38.48	31.63
17	29.30	29.55	30.33	35.70	27.64	27.08	29.42		27.30	27.72	38.45	30.30
18	28.75	28.65	31.50	33.70	27.50		30.26		27.25	27.61	38.07	29.63
19	28.55	28.10	31.50	31.85	27.32		28.55		27.20	27.65	36.40	29.35
20	31.90	27.75	30.96	30.40	27.50 F	27.05	27.45		27.20	27.35	34.67	29.24
21	38.15	27.65	30.56	29.60	27.42	28.02 F	27.09		27.60	27.05	32.75	29.19
22	37.35	27.60	30.64	29.05	27.21	28.08			27.58	27.06	30.65	29.08
23	35.85	27.50	35.04	28.56	27.10	30.10		F 26.37	27.46	27.13	29.16	30.77
24	34.32	27.25	34.15	28.25		31.61			27.44	27.07	28.43	30.51
25	32.82	27.10	33.07	28.08 F	27.11	30.97			27.38	27.05	28.05	29.85
26	31.15	31.70	32.05	27.94	27.45	30.55 F	26.20		27.35	27.05	27.83	29.35
27	29.70	31.25	30.76	27.61	27.47	33.20			28.70	27.05	27.60	28.99
28	28.90	29.80	29.70	27.37	27.21	35.30			28.72	27.05	27.50	28.84
29	28.45	-----	29.02	27.23	27.10	33.05			28.14 F	27.05	27.39	28.87
30	28.32	-----	28.57	27.23		31.79			27.78	29.99	27.23	28.79
31	28.08	-----	28.41	-----	-----	-----			-----	27.47	-----	28.60

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	31.68	28.28	32.40	32.60	29.98	29.36	27.89	26.68	27.41	27.51	30.46	29.43
MAX	38.15	31.75	40.15	40.16	39.73	35.30	30.33	26.98	28.72	29.99	38.48	32.67
MIN	27.78	27.10	28.41	27.23	27.10	26.89	26.20	26.37	25.85	27.05	26.95	27.16
DAYS	31	28	31	30	28	20	16	2	23	31	23	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 294

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 29.86.

HIGHEST STAGE WAS 40.24 AT 10:30 P. M. ON APR 9.

LOWEST STAGE WAS 25.85 ON SEP 7.

## DAILY STAGE FOR 1993

## BAYOU COCODRIE NEAR CLEARWATER, LA.

LOCATION. LAT. 31-00-00, LONG. 92-22-46. ON U. S. HIGHWAY 167 BRIDGE, 1,000 FEET DOWNSTREAM FROM BAYOU COCODRIE DAM, AND 1.5 MILES EAST OF CLEARWATER, LA. (STA. 6164016.)

GAGE. AUTOMATIC RECORDER AND WIRE-WEIGHT.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U. S. GEOLOGICAL SURVEY. DRAINAGE AREA, 240 SQUARE MILES. SLIGHT REGULATION AT LOW FLOW BY LAKE COCODRIE (USABLE CAPACITY, 9,000 ACRE-Feet). PRIOR TO OCT. 1937, STATION WAS REFERRED TO AS, NEAR MEEKER, LA. ZERO OF GAGE PRIOR TO 1968 WAS 40.00 FEET N.G.V.D. GAGE ZERO OF PUBLISHED REPORTS FOR 1968 THROUGH 1988 SHOULD BE CORRECTED TO 39.57 FEET N.G.V.D.

RECORDS AVAILABLE. STAGE, MAY 1922 TO JAN. 1925, AND OCT. 1937 TO DATE. PUBLISHED BY CORPS OF ENGINEERS SINCE 1946. DISCHARGE, DAILY, COMPUTED AND PUBLISHED BY U.S. GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 27.15 FEET ON MAY 19, 1953. LOWEST, 3.30 FEET ON OCT. 9, 1969. EXTREMES HAVE BEEN ADJUSTED TO CURRENT GAGE ZERO.

## DAILY MEAN STAGE IN FEET

## GAGE ZERO, 40.00 FEET, NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	9.35	12.24	10.90	12.77	13.13	6.72	11.41	6.24	6.02	5.77	6.08	12.66
2	9.01	11.55	13.89	12.27	14.18	6.56	10.80	6.14	5.98	5.78	6.11	12.17
3	8.72	10.90	15.65	11.69	15.02	6.42	10.27	6.06	5.97	5.78	6.13	11.58
4	8.60	10.33	16.27	12.23	15.19	6.30	9.70	6.05	5.96	5.76	6.16	11.49
5	8.73	9.85	16.29	13.02	15.07	6.13	9.24	6.03	5.95	5.74	6.17	11.27
6	8.57	9.47	16.10	13.47	14.86	6.03	8.75	5.96	5.94	5.71	6.17	10.98
7	9.38	9.10	15.89	13.60	14.63	5.93	8.34	5.91	5.90	5.68	6.17	10.64
8	11.27	8.75	15.66	14.60	14.39	5.87	7.96	5.93	5.82	5.66	6.16	10.26
9	12.79	8.45	15.43	16.00	14.15	5.78	7.63	5.95	5.82	5.65	6.25	9.90
10	13.24	8.23	15.20	16.62	13.95	5.72	7.44	5.86	5.78	5.65	6.26	9.99
11	13.24	8.23	14.98	16.67	13.74	6.04	7.37	5.82	5.78	5.64	6.23	9.99
12	13.39	8.08	14.82	16.50	13.53	6.30	7.24	5.82	5.76	5.63	6.24	10.13
13	13.49	7.91	14.66	16.28	13.31	6.26	7.05	5.84	5.77	5.66	6.27	10.41
14	13.53	7.76	14.48	16.07	13.02	6.22	6.85	5.84	5.79	5.71	6.80	10.54
15	13.41	7.68	14.29	16.05	12.63	6.09	6.88	5.83	5.76	5.75	9.89	10.55
16	13.22	8.93	14.12	16.20	12.00	5.96	6.99	5.82	5.74	5.78	13.40	10.35
17	12.96	9.73	13.95	16.16	11.29	6.02	7.27	5.76	5.80	5.80	14.70	9.86
18	12.60	10.41	13.83	15.97	10.66	5.97	7.55	5.74	5.80	5.82	15.31	9.55
19	12.25	10.60	13.75	15.74	10.22	6.06	7.51	5.73	5.78	5.81	15.40	9.25
20	12.69	10.36	13.63	15.51	9.75	6.17	7.31	5.91	5.76	5.80	15.24	8.99
21	13.68	10.02	13.46	15.28	9.29	6.63	7.13	6.15	5.74	5.84	15.03	8.70
22	14.38	9.54	13.40	15.05	8.85	7.26	6.86	6.19	5.72	5.85	14.82	8.60
23	14.53	9.12	13.73	14.80	8.44	8.05	6.68	6.18	5.70	5.86	14.60	8.70
24	14.42	8.75	14.13	14.56	8.14	8.19	6.51	6.16	5.67	5.87	14.38	8.74
25	14.24	8.82	14.32	14.32	7.98	8.21	6.37	6.14	5.64	5.88	14.16	8.91
26	14.03	9.61	14.22	14.07	7.77	8.96	6.20	6.13	5.65	5.88	13.93	8.85
27	13.82	10.19	14.02	13.82	7.62	10.15	6.06	6.11	5.72	5.87	13.71	8.64
28	13.60	10.60	13.81	13.57	7.47	10.80	5.95	6.09	5.72	5.86	13.49	8.44
29	13.35	-----	13.58	13.31	7.26	11.55	5.78	6.08	5.74	5.99	13.25	8.29
30	13.09	-----	13.34	13.11	7.09	11.74	6.01	6.06	5.76	6.11	12.98	8.12
31	12.76	-----	13.11	-----	6.93	-----	6.29	6.05	-----	6.05	-----	7.94

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	12.33	9.47	14.35	14.64	11.34	7.14	7.53	5.99	5.80	5.79	10.38	9.82
MAX	14.53	12.24	16.29	16.67	15.19	11.74	11.41	6.24	6.02	6.11	15.40	12.66
MIN	8.57	7.68	10.90	11.69	6.93	5.72	5.78	5.73	5.64	5.63	6.08	7.94
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 9.55.  
 HIGHEST STAGE WAS 16.71 AT 9:00 P.M. ON APR 10.  
 LOWEST STAGE WAS 5.62 ON OCT 10.



## DAILY STAGE FOR 1993

## BAYOU COCODRIE AT ST. LANDRY, LA.

LOCATION. LAT. 30-50-40, LONG. 92-15-34. ON HIGHWAY 106 BRIDGE, 10.5 MILES NORTH OF VILLE PLATTE, LA. (STA. 6172016.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1946. DAILY, AUG. 9, 1946 TO MAY 22, 1958, AND APR. 25, 1961 TO DATE.

EXTREMES. HIGHEST, 48.85 FEET ON MAY 20, 1953. LOWEST, (FROM INCOMPLETE RECORD) 31.53 FEET ON OCT. 19, 1987.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	35.70	37.18	36.42	37.09	37.39	33.78	36.40	32.87	33.12	33.18	33.04	37.20
2	35.42	36.82	40.38	36.85		33.25	36.26	33.20	33.17	32.92	33.33	36.95
3	35.35	36.49	41.60	36.90 F	40.98	33.51	36.20	33.14	33.00	32.94	33.13	36.68
4	35.19	36.12	41.39	38.17	40.30	33.47	35.71	32.95	33.99	32.94	33.42	36.70
5	35.23	35.85	40.63	38.89	39.42	33.41	34.95	33.09	33.86	33.08	33.27	36.48
6	35.12	35.62	40.03	38.40	39.01	33.25	35.14	33.08	33.36	32.81	33.32	36.19
7	35.42	35.40	39.59	38.12	38.70	33.15	34.78	33.50	32.15	33.10	33.17	36.18
8	38.32	35.19	39.25 F	39.75	38.24	33.65	34.92	33.12	33.03	32.90	33.18	35.70
9	38.51	35.01	38.95		38.29	33.48	34.79	33.02	32.64	32.90	33.57	35.69
10	38.29	34.88	38.81		38.13	32.97	34.32	32.95	33.47	33.60	33.48	35.90
11	38.32	35.01	38.65		38.15	33.06	33.99	32.25	32.55	32.85	33.24	36.12
12	39.69	35.00	38.55		37.75	33.40	33.25	32.61	32.95	33.06	33.48	35.80
13	40.00	34.81	38.35		37.65	33.38	33.65	32.84	32.84	33.11	33.45	35.92
14	39.27	34.70	38.30		37.53	32.60	33.79	32.91	34.15	33.82	33.44	36.40
15	38.68	34.61	38.13		37.35	32.74	33.55	32.95	33.14	32.75 F	37.67	36.27
16	38.29	35.29	38.29		37.17	32.80	33.65	32.93	33.89	32.89	38.65	36.36
17	37.91	36.11	38.29		36.74	33.03	33.75	32.90	32.33	32.97	38.79	36.06
18	37.60	36.10	38.17		36.49	33.43	33.93	32.84	32.42	33.28	38.80	35.74
19	37.77	36.20	37.99 F	38.93	36.11	33.39	34.05	32.67	32.56	32.84	38.72	34.91
20	38.14	36.35	37.85	38.70	35.80	33.35	33.44	32.74	32.35	32.40	38.63	35.45
21	39.37	36.10	37.74	38.80	35.52	33.69	33.50	32.85	32.13	33.28	38.50	35.24
22	39.29	35.82	37.62	38.68	35.25	33.84	34.32	33.12	32.58	33.04	38.40	34.97
23	38.92	35.49	38.18	38.20	34.89		33.77	33.35	31.67	33.70	38.23	35.37
24	38.72	35.27	38.36	38.40	34.80		33.40	33.06	32.90	33.43	38.13	35.05
25	38.50	35.03	38.28	38.24	34.61		33.41	33.23	32.90	33.28	38.02	35.07
26	38.30	36.70	38.23	38.15	34.39		33.10	33.10	32.77	33.02	37.84	35.22
27	38.10	36.72	38.11	37.85	34.42		33.22	33.02	33.02	33.03	37.65	35.01
28	37.90	36.58	37.98	37.84	34.20		32.70	33.17	33.17	33.01	37.65	34.87
29	37.71	-----	37.84	37.60	34.20 F	36.80	33.12	33.12	32.97	33.14	37.40	34.82
30	37.50	-----	37.67	37.46	34.03	36.64	32.75	33.15	33.05	33.87	37.23	34.72
31	37.34	-----	37.33	-----	33.59	-----	33.43	33.21	-----	33.50	-----	34.60

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	37.74	35.73	38.61	38.15	36.70	33.59	34.10	33.00	32.94	33.12	35.89	35.73
MAX	40.00	37.18	41.60	39.75	40.98	36.80	36.40	33.50	34.15	33.87	38.80	37.20
MIN	35.12	34.61	36.42	36.85	33.59	32.60	32.70	32.25	31.67	32.40	33.04	34.60
DAYS	31	28	31	20	30	24	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 348

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 35.39.

HIGHEST STAGE WAS 41.62 AT 12:10 A. M. ON MAR 2.

LOWEST STAGE WAS 26.85 ON APR 2.

## DAILY STAGE FOR 1993

BAYOU COCODRIE NEAR WHITEVILLE, LA.

LOCATION. LAT. 30-46-41, LONG. 92-11-26. ON HIGHWAY 29 BRIDGE (NEAR INTERSTATE 49), 2.7 MILES  
SOUTHWEST OF WHITEVILLE, LA. (STA. 6176012A.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1939. DAILY, JAN. 2, 1940 TO JUNE 30, 1942, AND MAR. 1,  
1946 TO DATE.

EXTREMES. HIGHEST, 42.3 FEET ON MAY 20, 1953. LOWEST, CHANNEL DRY ON OCT. 19, 1987.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	25.70	26.89	26.80	27.19	35.06 F	23.33	28.02				F 23.05	26.24
2	25.18	26.63	35.40	26.99	37.98							26.05
3	24.92	25.88	38.00	26.75	38.32							25.83
4	24.72	25.45	37.89	31.55	37.92				F	22.96		25.84
5	25.45	25.16	37.20	34.87	36.90		24.32					27.06
6	25.71	24.91	36.55	34.30	35.91		24.30					26.38
7	25.95	24.62	35.65	33.24	34.91		24.15		F	22.23		26.05
8	34.50	24.41	34.66	36.80	33.94		24.15					25.45
9	34.54	24.35	33.65	38.43	32.96		23.84 F	22.74				25.30
10	33.79	24.20	32.55	38.48	32.00					23.60		25.56
11	33.75	25.29	31.05	38.10	31.09	24.70						28.60
12	34.90	25.46	29.69	37.45	30.05 F	23.60						27.90
13	35.68	24.95	30.10	36.85	29.03	F 23.15		F	23.53	F 23.52		27.11
14	34.40	24.68	29.88	36.13	27.97	22.80		F	23.95	24.02 F	23.50	30.15
15	33.40	24.48	29.05	35.77	27.37					23.55	31.50	29.82
16	32.22	25.80	28.70	35.80	26.79	F 23.63					35.57	28.66
17	30.69	27.28	29.67	35.30	26.20	24.23					35.53	27.39
18	29.12	26.38	29.78		25.98	25.13				F 23.27	35.30	26.41
19	28.68	25.81	29.57 F	33.67	25.37	24.64					34.65	25.55
20	32.23	25.85	29.09	32.25	25.16 F	23.56	23.70	F	22.50		33.81	25.80
21	36.14	25.60	28.60 F	31.14	24.85	23.80					32.63	25.45
22	35.87	25.35	28.45		24.46	24.10					31.01	25.20
23	35.24	24.90	30.66		24.27	26.37	F	22.96			29.38	26.42
24	34.58	24.55	31.90		24.07	28.12					28.15	26.24
25	33.78	24.17	31.24		23.91	28.64					27.60	25.89
26	32.65	29.25	30.62		24.00	28.30 F	22.72				27.25	25.60
27	31.21	29.10	29.70		24.19	29.76		F	23.52		26.96	25.23
28	29.56	27.80	28.85		23.85	32.45			24.02		26.78	24.90
29	28.27	-----	28.10 F	35.30	23.80 F	30.51			23.55	F	23.51	25.13
30	27.55	-----	27.57	35.50	23.70	29.13					25.47	24.96
31	27.10	-----	27.08	-----	-----	-----			-----	23.76	-----	24.68

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	30.89	25.69	31.22	34.18	29.07	26.61	24.31	22.85	23.33	23.74	29.75	26.35
MAX	36.14	29.25	38.00	38.48	38.32	32.45	28.02	22.96	24.02	25.47	35.57	30.15
MIN	24.72	24.17	26.60	26.75	23.70	22.80	22.72	22.74	22.23	22.96	23.05	24.68
DAYS	31	28	31	22	30	15	13	2	7	9	18	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 237

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 28.52.

HIGHEST STAGE WAS 38.54 AT 9:00 P. M. ON APR 9.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 22.23 ON SEP 7.

## DAILY STAGE FOR 1993

## BAYOU BOEUF AT MEEKER, LA.

LOCATION. LAT. 31-02-25, LONG. 92-22-21. ON U. S. HIGHWAY 167 BRIDGE, ONE MILE SOUTH OF MEEKER, LA.  
(STA. 6180015.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

RECORDS AVAILABLE. OCT. 22, 1954 TO DATE. FOR RECORDS FROM 1939 TO 1954, REFER TO GAGE AT LYLES,  
LA. (D-JJ).

EXTREMES. HIGHEST, 67.99 FEET ON DEC. 27, 1982. LOWEST, 58.28 FEET ON SEP. 29, 1956, AND OCT. 20,  
1963.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1952 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	61.03	60.99	61.17	61.14		60.89	61.68	60.41		61.36	60.96	59.94
2	60.95	60.96	63.32	61.13		60.83	61.35	60.39		61.34	60.90	60.25
3	60.87	60.94	64.01	61.05		60.66	61.13	60.36		61.30	60.82	60.37
4	60.85	60.93	63.77	61.38		60.58	61.01	60.36		61.28	60.82	60.71
5	61.02	60.92	63.25	61.89		60.57	60.97	60.38		61.26	60.82	60.72
6	61.12	60.90	62.69	61.95		60.70	60.91	60.42		61.26	60.81	60.71
7	61.28	60.89	62.24	61.81		60.81	60.86	60.44		61.22	60.76	60.62
8	62.05	60.87	61.88	63.04		60.85	60.81	60.43		61.24	60.70	60.57
9	62.12	60.84	61.57	64.02		60.88	60.74	60.73		61.26	60.81	60.57
10	61.99	60.83	61.37	63.87		60.85	60.78	60.69		61.25	60.90	60.93
11	61.90	60.88	61.24	63.43		60.83	60.98	60.70		61.21	60.92	61.21
12	62.00	60.93	61.33	63.00		60.87	61.05	60.63		61.18	60.90	61.19
13	61.90	60.95	61.57	62.56		60.91	60.99	60.51		61.17	60.86	61.03
14	61.70	60.91	61.58	62.22		60.94	60.90	60.40		61.29	60.86	61.28
15	61.48	60.88	61.46	62.35		60.96	60.89	60.30		61.27	63.09	61.47
16	61.30	61.31	61.31	62.53		60.92	61.32	60.20		61.24	62.84	61.37
17	61.17	61.14	61.34	62.30		60.84	61.55	60.11	61.26	61.23	63.37	61.17
18	61.08	61.04	61.52	62.02		60.78	61.83	60.02	61.28	61.22	62.95	60.99
19	61.05	60.95	61.57	61.75		60.78	61.52	59.93	61.32	61.20	62.42	60.91
20	61.31	60.88	61.52	61.52		60.84	61.26	59.73	61.35	61.13	61.97	60.86
21	62.40	60.86	61.47	61.37		60.99	61.10	59.84	61.42	61.06	61.57	60.79
22	62.53	60.81	61.45	61.27		60.93	60.97	59.97	61.43	61.03	61.15	60.79
23	62.30	60.76	61.91			61.33	60.77	60.15	61.43	61.00	60.81	60.97
24	62.09	60.71	61.90			61.57	60.68	60.29	61.44	60.94	60.50	61.00
25	61.84	60.68	61.79			61.66	60.60		61.45	60.89	60.52	60.89
26	61.61	61.24	61.66			61.60	60.49		61.43	60.86	60.36	60.78
27	61.39	61.40	61.47			61.74	60.39		61.63	60.83	60.24	60.69
28	61.24	61.30	61.30		60.99	62.14	60.31		61.55	60.87	60.14	60.65
29	61.13	-----	61.17		60.96	62.02	60.30		61.45	60.95	60.06	60.64
30	61.07	-----	61.06		60.94	61.88	60.30		61.39	61.14	59.97	60.69
31	61.02	-----	61.03	-----	60.92	-----	60.36		-----	61.01	-----	60.69

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	61.51	60.95	61.80	62.16	60.96	61.07	60.93	60.31	61.42	61.14	61.13	60.82
MAX	62.53	61.40	64.01	64.02	60.99	62.14	61.83	60.73	61.63	61.36	63.37	61.47
MIN	60.85	60.68	61.03	61.05	60.92	60.57	60.30	59.73	61.26	60.83	59.97	59.94
DAYS	31	28	31	22	4	30	31	24	14	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 307

THE MEAN STAGE FOR THE YEAR WAS 61.18.

HIGHEST STAGE WAS 64.02 AT 10:00 A. M. ON MAR 3.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 59.73 ON AUG 19.

## DAILY STAGE FOR 1993

## BAYOU TECHE AT PORT BARRE, LA.

LOCATION. LAT. 30-32-47, LONG. 91-58-03. ON U. S. HIGHWAY 190 BRIDGE (STA. 6405012A.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. GAGE KNOWN AS RANGE 16 FROM 1932 TO 1933, AND BAYOU TECHE AT HEAD FROM 1936 TO 1939. PRIOR TO JAN. 15, 1985 GAGE LOCATED 1.5 MILES UPSTREAM.

RECORDS AVAILABLE. INTERMITTENTLY, 1932 TO 1933, AND 1936 TO 1937. DAILY, OCT. 1937 TO DATE.

EXTREMES. HIGHEST, 28.27 FEET ON MAY 24, 1953. LOWEST, 10.30 FEET ON OCT. 18, 1956.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	17.22	17.47	17.86	17.68	17.65	17.43	17.48	17.41	17.47	17.53	17.54	16.26
2	17.30	17.23	19.75	17.68	20.59	17.46	17.81	17.40	17.45	17.53		15.83
3	17.30	17.10	20.55	17.62	21.15	17.54	17.71	17.39	17.45	17.51		15.90
4	17.20	16.90	20.52	19.82	21.29	17.55	17.58	17.39	17.45	17.49		15.85
5	17.18	16.75	20.27	19.98	21.06	17.59	17.35	17.41	17.40	17.49		16.41
6	17.40	16.60	19.90	19.30	20.60	17.59	17.46	17.43	17.45	17.55		16.66
7	16.82	16.45	19.59	19.49	20.48	17.56	17.51	17.44	17.45	17.60		16.24
8	20.51	16.29	19.28	21.15	20.34	17.55	17.46	17.49	17.42	17.62		15.73
9	20.30	16.22	19.29	21.60	20.40	17.55	17.55	17.50	16.55	17.62		15.24
10	19.89	16.18	18.99	21.49	19.78	17.54	17.69	17.51	16.64	17.64		15.75
11	19.60	17.20	18.49	21.26	18.95	17.56	17.59	17.47	16.94	17.65		17.30
12	20.10	17.02	17.99	20.93	18.53	17.60	17.36	17.45	17.36	17.64		17.78
13	19.95	17.70	18.12	20.60	18.35	17.55	17.55	17.45	17.55	17.65		17.61
14	19.64	17.70	17.89	20.31	18.33	17.50	17.55	17.45	17.00	17.68		18.20
15	19.20	17.58	17.59	20.27	18.12	17.49	17.51	17.43	17.30	17.72	20.18	17.81
16	18.75	17.68	18.31	20.05	18.06	17.47	17.44	17.49	17.28	17.70	20.19	17.10
17	18.21	18.21	18.48	19.83	17.97	17.47	17.68	17.46	17.14	17.69	20.06	16.44
18	17.69	16.40	18.13	19.55	17.65	17.50	17.80	17.45	16.94	17.67	19.85	15.95
19	17.29	17.62	17.89	19.19	17.60	17.49	17.70	17.45	17.09	17.67	19.47	16.13
20	19.51	17.70	17.64	18.91	17.53	17.50	17.60	17.42	17.09	17.64	19.00	15.85
21	21.78	17.65	17.80	18.63	17.43	17.62	17.47	17.45	16.92	17.64	19.06	15.63
22	21.52	17.59	17.73	18.39	17.22	17.66	17.42	17.45	16.06	17.63	18.45	15.99
23	21.18	17.49	17.88	18.21	17.54	17.64	17.41	17.49	15.39	17.62	F 18.03	
24	20.71	17.27	18.43	18.13	17.57	18.39	17.49	17.50	15.48	17.63		
25	20.24	16.94	18.22	18.05	17.56	17.80	17.52	17.60	15.71	17.62		
26	19.82	18.92	17.95	17.95	17.60	18.23	17.52	17.43	16.17	17.61		
27	19.28	18.43	18.05	17.90	17.62	18.25	17.49	17.47	16.95	17.60		
28	18.70	17.92	17.88	17.84	17.60	18.68	17.47	17.41	17.51	17.58		
29	18.22	-----	17.70	17.70	17.58	18.34	17.45	17.38	17.56	17.61	F 16.31	
30	17.82	-----	17.79	17.65	17.55	17.96	17.45	17.38	17.55	17.58	17.17	
31	17.62	-----	17.71	-----	17.49	-----	17.42	17.93	-----	17.45	-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	18.97	17.29	18.51	19.24	18.62	17.70	17.53	17.46	16.99	17.61	18.78	16.44
MAX	21.78	18.92	20.55	21.60	21.29	18.68	17.81	17.93	17.56	17.72	20.19	18.20
MIN	16.82	16.18	17.59	17.62	17.22	17.43	17.35	17.38	15.39	17.45	16.31	15.24
DAYS	31	28	31	30	31	30	31	31	30	31	12	22

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 338

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 17.93.

HIGHEST STAGE WAS 21.82 AT 10:30 A.M. ON JAN 20.

LOWEST STAGE WAS 15.22 ON DEC 8.

## DAILY STAGE FOR 1993

## BAYOU TECHE AT ARNAUDVILLE, LA.

LOCATION. LAT. 30-23-50, LONG. 91-55-50. ON STATE HIGHWAY 31 BRIDGE, 270 FEET UPSTREAM FROM BAYOU FUSILIER. (STA. 6410012C.)

GAGE. AUTOMATIC RECORDER.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U. S. GEOLOGICAL SURVEY SINCE FEB. 1953.

RECORDS AVAILABLE. STAGE, INTERMITTENTLY, 1932 TO 1943. DAILY, NOV. 2, 1943 TO DATE. PUBLISHED BY CORPS OF ENGINEERS SINCE 1943. DISCHARGE, 1946 TO 1956, OBSERVED BY CORPS OF ENGINEERS. COMPUTED DAILY, BY U.S. GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 24.27 FEET ON MAY 23, 1953. LOWEST, 6.78 FEET ON OCT. 28, 1956.

## MEAN DAILY STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	13.61	14.44	14.66	13.96	14.03	13.73	13.89	13.68	13.70	13.64	13.74	13.14
2	13.74	14.14	17.01	13.94	15.77	13.75	13.93	13.67	13.70	13.64	13.74	12.82
3	13.74	13.92	18.02	13.96	16.50	13.80	13.91	13.66	13.70	13.63	13.71	12.79
4	13.69	13.73	17.56	16.85	16.63	13.82	13.82	13.68	13.74	13.63	13.73	12.86
5	13.68	13.55	16.93	17.41	16.50	13.79	13.69	13.69	13.72	13.62	13.77	13.10
6	13.72	13.41	16.26	16.86	16.21	13.79	13.69	13.68	13.70	13.64	13.74	13.28
7	15.65	13.27	15.68	16.30	15.92	13.78	13.73	13.70	13.68	13.67	13.71	13.09
8	18.83	13.14	15.36	19.32	15.68	13.77	13.70	13.76	13.63	13.69	13.70	12.74
9	18.71	13.06	15.26	20.27	15.45	13.76	13.75	13.74	13.25	13.69	13.78	12.41
10	17.12	13.04	15.09	20.01	15.21	13.77	14.10	13.73	13.10	13.69	13.79	13.01
11	17.60	13.48	14.77	19.46	14.94	13.77	14.02	13.70	13.30	13.69	13.80	13.88
12	18.18	13.68	14.51	18.70	14.63	13.78	13.75	13.69	13.54	13.70	13.81	14.13
13	17.78	13.95	14.66	17.88	14.43	13.76	13.79	13.69	13.72	13.72	13.83	14.77
14	17.00	14.04	14.37	17.20	14.28	13.73	13.83	13.68	13.55	13.74	14.01	15.36
15	16.26	13.96	14.15	17.10	14.19	13.69	13.81	13.66	13.55	13.76	18.67	14.70
16	15.53	14.18	14.89	16.59	14.08	13.68	13.75	13.69	13.57	13.77	19.57	13.98
17	14.90	14.35	15.28	16.01	13.98	13.69	13.90	13.69	13.51	13.76	19.16	13.39
18	14.38	13.56	14.78	15.58	13.93	13.72	14.01	13.68	13.41	13.77	18.59	13.20
19	13.97	13.81	14.41	15.25	13.92	13.73	13.93	13.67	13.45	13.80	17.85	12.98
20	18.97	13.98	14.19	15.02	13.86	13.78	13.89	13.67	13.48	13.82	16.82	12.81
21	21.35	13.99	14.18	14.79	13.80	13.86	13.76	13.67	13.31	13.81	16.12	12.65
22	20.95	13.93	14.11	14.58	13.71	13.92	13.70	13.68	12.85	13.78	15.29	12.79
23	20.46	13.83	14.15	14.43	13.81	14.07	13.69	13.71	12.36	13.77	14.62	12.80
24	19.87	13.71	14.45	14.33	13.87	14.81	13.71	13.73	12.24	13.78	14.06	12.99
25	19.20	14.04	14.43	14.26	13.88	14.45	13.74	13.73	12.39	13.79	13.83	13.16
26	18.49	15.84	14.26	14.17	13.89	14.36	13.74	13.73	12.68	13.79	13.60	13.06
27	17.70	15.34	14.24	14.10	13.88	14.80	13.73	13.72	13.13	13.77	13.38	12.81
28	16.82	14.68	14.15	14.05	13.86	15.23	13.73	13.72	13.54	13.76	13.15	12.57
29	15.98	-----	14.01	13.97	13.83	14.69	13.73	13.72	13.68	13.94	13.07	12.79
30	15.23	-----	14.02	13.93	13.80	14.24	13.75	13.71	13.69	14.07	13.46	12.62
31	14.76	-----	14.00	-----	13.77	-----	13.71	13.71	-----	13.77	-----	12.87

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	16.71	13.93	14.96	16.01	14.59	13.98	13.80	13.70	13.36	13.75	14.80	13.21
MAX	21.35	15.84	18.02	20.27	16.63	15.23	14.10	13.76	13.74	14.07	19.57	15.36
MIN	13.61	13.04	14.00	13.93	13.71	13.68	13.69	13.66	12.24	13.62	13.07	12.41
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 14.40.  
 HIGHEST STAGE WAS 21.41 AT 3:00 A.M. ON JAN 21.  
 LOWEST STAGE WAS 12.20 ON SEP 24 AND LATER DATE(S).



## DAILY STAGE FOR 1993

## RUTH CANAL AT RUTH, LA. (EAST)

LOCATION. LAT. 30-14-33, LONG. 91-53-02. ABOUT 100 FEET UPSTREAM FROM CONTROL STRUCTURE, 0.4 MILE BELOW JUNCTION WITH BAYOU TECHE. (STA. 6415012C.)

GAGE. STAFF TYPE.

GENERAL INFORMATION. PRIOR TO JAN. 21, 1947 REFER TO GAGE LOCATED ON OLD STATE HIGHWAY 25 (PRESENTLY HIGHWAY 31) BRIDGE, 600 FEET UPSTREAM

RECORDS AVAILABLE. INTERMITTENTLY, 1932 TO 1933 AND 1937 TO 1945. DAILY, MAY 1945 TO DATE.

EXTREMES. HIGHEST, 18.4 FEET ON AUG 13 AND 15, 1940. LOWEST, 5.2 FEET ON OCT. 27, 1956.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1970 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	9.00	10.67	9.78	9.30	9.60	9.28	8.99	8.98	8.93	9.04	8.69	9.37
2	9.10	10.49	10.92	9.21	10.48	9.32	8.89	8.92	8.94	9.07	9.00	9.18
3	9.12	10.20	11.48	9.20	10.74	9.34	8.87	8.88	8.97	9.00	8.98	9.07
4	9.15	10.00	11.33	11.70	10.89	9.33	8.84	8.89	8.95	8.98	8.99	9.10
5	9.16	9.87	11.12	11.50	10.87	8.97	8.82	8.97	8.94	9.01	9.00	9.02
6	9.14	9.75	10.80	11.22	10.78	8.85	8.78	8.98	8.95	8.79	8.92	9.10
7	11.58	9.57	10.43	10.96	10.62	8.75	8.77	8.96	8.97	8.67	8.84	9.05
8	12.20	9.51	10.32	14.50	10.49	8.85	8.81	9.09	8.94	8.56	8.90	8.92
9	11.94	9.40	10.17	13.93	10.34	8.88	8.77	9.06	8.93	8.54	9.01	8.90
10	11.99	9.33	10.03	13.20	10.22	8.85	8.83	8.98	8.74	8.36	8.92	9.13
11	11.75	9.42	9.93	12.90	10.10	8.79	9.32	8.94	8.84	8.47	8.90	9.33
12	11.78	9.50	9.75	12.54	9.90	8.74	9.03	8.93	8.99	8.51	8.93	9.50
13	11.58	9.38	9.83	10.20	9.80	8.75	8.91	8.97	9.09	8.61	8.90	9.49
14	11.34	9.50	9.76	11.80	9.72	8.75	8.94	8.96	9.08	8.58	8.94	10.53
15	11.00	9.47	9.56	11.91	9.79	8.55	8.88	8.93	9.00	8.59	13.40	10.11
16	10.70	9.72	10.32	11.56	9.70	8.57	9.03	8.92	9.20	8.60	13.13	9.74
17	10.32	9.62	10.26	11.15	9.60	8.61	8.94	8.90	9.35	8.59	12.51	9.53
18	10.13	9.40	10.00	10.93	9.57	8.64	9.19	8.89	9.39	8.61	12.20	9.30
19	9.89	9.20	9.81	10.76	9.56	8.73	9.00	8.90	9.35	8.62	11.97	9.13
20	13.87	9.32	9.70	10.57	9.54	8.92	9.17	8.89	9.40	8.64	11.58	9.02
21	14.93	9.33	9.58	10.40	9.52	8.89	8.97	8.93	8.97	8.62	11.19	8.95
22	13.90	9.23	9.50	10.27	9.54	9.24	8.89	8.93	8.76	8.55	10.80	8.90
23	13.48	9.21	9.47	10.17	9.57	9.91	8.83	8.94	8.64	8.52	10.50	9.00
24	13.10	9.16	9.57	10.04	9.61	9.47	8.79	8.96	8.48	8.53	10.18	8.98
25	12.76	9.20	9.61	10.00	9.60	9.28	8.77	8.94	8.51	8.56	10.00	9.01
26	12.50	10.55	9.58	9.83	9.59	9.28	8.76	8.96	8.59	8.54	9.82	9.00
27	12.14	10.32	9.56	9.80	9.58	9.39	8.75	8.97	8.72	8.52	9.70	8.93
28	11.78	9.99	9.62	9.74	9.42	9.73	8.79	8.94	8.87	8.53	9.56	8.80
29	11.49	-----	9.48	9.70	9.38	9.44	8.80	8.93	9.01	8.61	9.39	8.89
30	11.14	-----	9.42	9.61	9.36	9.29	8.97	8.92	9.02	9.55	9.40	8.82
31	10.79	-----	9.37	-----	9.35	-----	8.96	8.91	-----	8.80	-----	8.80

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	11.38	9.65	10.00	10.95	9.90	9.05	8.91	8.94	8.95	8.68	10.01	9.18
MAX	14.93	10.67	11.48	14.50	10.89	9.91	9.32	9.09	9.40	9.55	13.40	10.53
MIN	9.00	9.16	9.37	9.20	9.35	8.55	8.75	8.88	8.48	8.36	8.69	8.80
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 9.63.

HIGHEST STAGE WAS 14.93 ON JAN 21.

LOWEST STAGE WAS 8.36 ON OCT 10.

## DAILY GATE-OPENINGS FOR 1993

## RUTH CANAL CONTROL STRUCTURE

PHYSICAL DATA. CONTROL STRUCTURE CONSISTS OF THREE GATES, EACH EIGHT FEET WIDE. ALL GATES ARE OPENED THE SAME AMOUNT.

REMARKS. STRUCTURE IS OPERATED AND MAINTAINED BY THE TECHE-VERMILION FRESHWATER DISTRICT, LAFAYETTE, LA.

## DAILY EIGHT A.M. GATE OPENINGS IN INCHES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	8	8	8	8	8	8	13	13	13	13	13	8
2	8	8	8	8	8	8	13	13	13	13	13	8
3	8	8	8	8	8	8	13	13	13	13	13	8
4	8	8	8	8	8	12	13	13	13	13	13	8
5	8	8	8	8	8	12	13	13	13	13	13	8
6	8	8	8	8	8	12	13	13	13	15	13	8
7	8	8	8	8	8	12	13	13	13	17	13	8
8	8	8	8	8	8	12	13	13	13	19	13	8
9	8	8	8	8	8	12	13	13	13	19	13	8
10	8	8	8	8	8	12	13	13	13	19	13	8
11	8	8	8	8	8	12	13	13	13	19	13	8
12	8	8	8	8	8	12	13	13	13	19	13	8
13	8	8	8	8	8	12	13	13	13	19	13	8
14	8	8	8	8	8	12	13	13	13	19	13	8
15	8	8	8	8	8	12	13	13	13	19	13	8
16	8	8	8	8	8	12	13	13	13	19	13	8
17	8	8	8	8	8	12	13	13	8	19	8	8
18	8	8	8	8	8	12	13	13	8	19	8	8
19	8	8	8	8	8	12	13	13	8	19	8	8
20	8	8	8	8	8	12	13	13	8	19	8	8
21	8	8	8	8	8	12	13	13	13	19	8	8
22	8	8	8	8	8	12	13	13	13	19	8	8
23	8	8	8	8	8	12	13	13	13	19	8	8
24	8	8	8	8	8	12	13	13	13	19	8	8
25	8	8	8	8	8	12	13	13	13	19	8	8
26	8	8	8	8	8	12	13	13	13	19	8	8
27	8	8	8	8	8	13	13	13	13	19	8	8
28	8	8	8	8	8	13	13	13	13	19	8	8
29	8	-----	8	8	8	13	13	13	13	19	8	8
30	8	-----	8	8	8	13	13	13	13	19	8	8
31	8	-----	8	-----	8	-----	13	13	-----	19	-----	8



## DAILY STAGE FOR 1993

## BAYOU TECHE AT KEYSTONE LOCK (LA.) (UPPER)

LOCATION. LAT. 30-04-15, LONG. 91-49-44. UPSTREAM SIDE OF LOCK AND DAM, ON WEST FENDER, 3.8 MILES SOUTH OF ST. MARTINVILLE, LA. (STA. 6420012D.)

GAGE. STAFF TYPE.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U. S. GEOLOGICAL SURVEY SINCE DEC. 1989.

RECORDS AVAILABLE. STAGE, JULY 1, 1913 TO DATE. DISCHARGE, COMPUTED DAILY, IN REPORTS OF U.S. GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 24.30 FEET ON MAY 27, 1927. LOWEST, 0.75 FOOT ON JULY 18, 1918.

## MEAN DAILY STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	10.07	10.61	10.39	10.22	10.48	10.21	10.19	10.05	10.02	10.06	9.97	10.17
2	10.10	10.55	10.83	10.21	10.72	10.20	10.14	10.03	10.02	10.07	10.04	10.09
3	10.11	10.47	10.94	10.23	10.70	10.22	10.13	10.01	10.02	10.07	10.05	10.04
4	10.13	10.38	10.89	11.04	10.73	10.20	10.11	10.02	10.04	10.05	10.04	10.05
5	10.14	10.31	10.81	10.93	10.74	10.11	10.09	10.02	10.03	10.05	10.07	10.05
6	10.12	10.26	10.71	10.84	10.71	10.10	10.07	10.02	10.03	9.98	10.04	10.08
7	10.69	10.21	10.61	10.88	10.66	10.09	10.08	10.09	10.04	9.93	10.02	10.06
8	11.20	10.16	10.53	12.77	10.61	10.09	10.07	10.09	10.03	9.91	10.02	10.00
9	11.04	10.12	10.48	12.10	10.56	10.10	10.06	10.05	10.00	9.92	10.09	9.92
10	11.15	10.10	10.46	11.42	10.53	10.13	10.14	10.03	9.93	9.91	10.07	10.14
11	11.13	10.13	10.42	11.29	10.48	10.11	10.23	10.03	9.95	9.90	10.05	10.24
12	11.03	10.17	10.40	11.20	10.43	10.11	10.15	10.02	10.00	9.92	10.05	10.26
13	10.94	10.17	10.42	11.09	10.40	10.10	10.11	10.02	10.05	9.95	10.05	10.47
14	10.85	10.19	10.35	11.02	10.35	10.09	10.14	10.02	10.06	9.95	10.08	10.66
15	10.75	10.15	10.28	11.05	10.34	10.07	10.16	10.01	10.05	9.93	11.53	10.51
16	10.64	10.28	10.41	10.89	10.33	10.06	10.16	10.01	10.04	9.94	11.54	10.38
17	10.53	10.27	10.54	10.80	10.31	10.07	10.18	10.01	10.14	9.93	11.26	10.26
18	10.44	10.20	10.44	10.71	10.30	10.10	10.22	10.01	10.15	9.95	11.13	10.15
19	10.36	10.03	10.36	10.64	10.32	10.11	10.23	10.00	10.15	9.95	11.03	10.10
20	11.95	10.13	10.33	10.61	10.30	10.15	10.25	10.00	10.16	9.97	10.92	10.07
21	12.93	10.14	10.28	10.55	10.29	10.21	10.13	10.01	10.01	9.99	10.80	10.01
22	11.80	10.14	10.25	10.50	10.27	10.26	10.09	10.01	9.92	9.95	10.69	10.03
23	11.47	10.10	10.25	10.45	10.27	10.20	10.07	10.01	9.81	9.93	10.57	10.07
24	11.37	10.10	10.28	10.42	10.31	10.34	10.04	10.02	9.73	9.92	10.46	10.04
25	11.26	10.30	10.32	10.40	10.34	10.31	10.04	10.03	9.76	9.94	10.39	10.07
26	11.17	10.67	10.31	10.38	10.34	10.28	10.04	10.04	9.84	9.94	10.33	10.06
27	11.08	10.55	10.29	10.35	10.30	10.28	10.03	10.03	9.92	9.94	10.28	10.02
28	10.98	10.44	10.28	10.33	10.25	10.41	10.04	10.04	9.97	9.92	10.21	10.01
29	10.88	-----	10.26	10.31	10.24	10.37	10.03	10.03	10.04	10.17	10.16	10.06
30	10.77	-----	10.24	10.30	10.23	10.28	10.05	10.03	10.06	10.37	10.17	10.00
31	10.67	-----	10.25	-----	10.22	-----	10.06	10.03	-----	10.06	-----	9.70

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	10.90	10.26	10.44	10.80	10.42	10.18	10.11	10.03	10.00	9.98	10.40	10.12
MAX	12.93	10.67	10.94	12.77	10.74	10.41	10.25	10.09	10.16	10.37	11.54	10.66
MIN	10.07	10.03	10.24	10.21	10.22	10.06	10.03	10.00	9.73	9.90	9.97	9.70
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 10.30.  
 HIGHEST STAGE WAS 13.62 AT 11:00 P.M. ON JAN 20.  
 LOWEST STAGE WAS 9.72 ON SEP 24.

## DAILY STAGE FOR 1993

## BAYOU TECHE AT KEYSTONE LOCK (LA.) (LOWER)

LOCATION. LAT. 30-04-13, LONG. 91-49-42. DOWNSTREAM SIDE OF LOCK AND DAM, ON WEST FENDER,  
3.8 MILES SOUTH OF ST. MARTINVILLE, LA. (STA. 6425012D.)

GAGE. STAFF TYPE.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U. S. GEOLOGICAL SURVEY SINCE DEC. 1989.

RECORDS AVAILABLE. JULY 1, 1913 TO DATE.

EXTREMES. HIGHEST, 24.30 FEET (GATES OPEN) ON MAY 27, 1927. LOWEST, MINUS 0.7 FOOT ON SEP. 22,  
1913.

## MEAN DAILY STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.98	7.21	4.06	3.58	5.15	3.80	3.93	3.04	2.92	3.31	3.24	3.72
2	2.93	7.17	6.67	3.33	7.69	3.71	3.62	3.00	3.03	3.42	3.12	3.61
3	3.11	6.31	7.59	3.37	6.78	3.87	3.50	3.04	3.14	3.27	3.13	3.55
4	3.53	6.02	6.83	9.18	6.55	3.96	3.67	3.14	3.18	3.12	3.13	3.68
5	4.03	5.48	6.34	8.11	6.37	3.85	3.59	3.13	3.04	3.08	3.30	3.47
6	3.55	5.00	5.94	7.08	6.15	3.74	3.53	3.19	3.13	3.07	3.05	3.37
7	6.25	4.51	5.04	6.94	5.81	3.72	3.42	3.27	3.17	3.07	2.58	3.20
8	9.90	4.23	4.55	12.60	5.46	3.84	3.30	3.51	3.19	3.21	2.66	3.10
9	8.63	4.17	4.17	11.88	5.31	3.94	3.25	3.42	3.18	3.34	3.13	2.99
10	9.33	4.18	4.05	10.61	5.18	3.93	3.46	3.16	3.08	2.98	3.17	3.78
11	9.73	4.44	3.86	9.94	4.93	3.81	3.80	3.06	2.91	2.79	3.04	4.51
12	9.54	4.49	3.84	9.49	4.65	3.62	3.59	3.08	3.10	2.92	3.21	4.09
13	8.59	4.27	4.32	9.03	4.47	3.46	3.46	3.17	3.49	3.21	3.40	5.04
14	7.90	4.12	3.54	8.75	4.21	3.29	3.61	3.16	3.86	3.28	3.60	5.82
15	7.38	3.98	3.53	9.47	4.25	3.09	3.75	3.08	3.88	3.14	8.25	4.73
16	6.86	4.41	4.62	8.56	3.97	3.16	3.91	2.96	3.46	3.15	10.59	4.11
17	6.24	4.42	5.71	8.02	3.79	3.43	3.89	2.87	3.39	3.24	9.63	3.91
18	5.79	4.01	4.56	7.60	3.74	3.74	4.11	2.85	3.46	3.40	8.47	3.52
19	5.23	3.45	4.06	7.16	3.99	3.99	3.97	2.95	3.65	3.50	7.82	3.31
20	10.17	3.54	3.89	6.87	4.04	4.27	3.76	3.02	3.76	3.58	7.26	3.33
21	12.72	3.63	3.72	6.49	4.01	4.57	3.09	3.16	3.58	3.59	6.62	3.10
22	11.42	3.61	3.49	6.03	4.05	4.84	3.22	3.11	3.40	3.00	6.13	3.04
23	10.75	3.39	3.38	5.67	4.20	4.26	3.25	3.07	3.23	2.66	5.59	3.41
24	10.40	3.37	3.41	5.38	4.46	4.90	3.08	3.07	3.07	2.81	5.04	3.06
25	10.05	4.18	3.88	5.16	4.52	4.70	3.00	3.00	3.10	2.97	4.57	3.01
26	9.74	6.68	4.00	4.87	4.38	4.55	2.95	3.08	3.36	3.14	4.20	2.81
27	9.42	5.35	3.81	4.51	3.96	4.38	3.00	3.29	3.28	2.90	3.78	2.77
28	9.28	4.55	3.77	4.46	4.18	4.56	3.08	3.30	2.86	2.73	3.40	2.86
29	8.88	-----	3.65	4.53	4.12	4.58	3.07	3.16	3.00	4.78	3.36	3.40
30	8.31	-----	3.66	4.27	4.05	4.31	3.32	3.10	3.14	6.44	3.58	3.00
31	8.02	-----	3.71	-----	3.97	-----	3.18	3.02	-----	3.93	-----	2.73

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	7.76	4.65	4.44	7.10	4.79	4.00	3.46	3.11	3.27	3.32	4.73	3.55
MAX	12.72	7.21	7.59	12.60	7.69	4.90	4.11	3.51	3.88	6.44	10.59	5.82
MIN	2.93	3.37	3.38	3.33	3.74	3.09	2.95	2.85	2.86	2.66	2.58	2.73
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
THE MEAN STAGE FOR THE YEAR WAS 4.51.  
HIGHEST STAGE WAS 13.48 AT 11:00 P.M. ON JAN 20.  
LOWEST STAGE WAS 2.42 ON NOV 7 AND LATER DATE(S).

## DAILY STAGE FOR 1993

## CHARENTON DRAINAGE CANAL NEAR FLOODGATE (LA.)

LOCATION. LAT. 29-53-30, LONG. 91-31-32. IN CHARENTON DRAINAGE CANAL WEST OF FLOODGATE.  
(STA. 6440013.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO NOV. 1970 GAGE WAS LOCATED ABOUT 200 FEET NORTH OF PRESENT LOCATION.

RECORDS AVAILABLE. JAN. 1943 TO NOV. 1945, AND APR. 1946 TO DATE.

EXTREMES. HIGHEST, 7.3 FEET ON JUNE 8, 1953. LOWEST, (FROM INCOMPLETE RECORD) MINUS 1.43 FEET  
ON DEC. 22, 1989.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.88	1.86	1.03	1.13	1.97	1.30	1.76	1.07	1.07	1.55	1.22	1.15
2	0.47	1.58	1.55	0.69	2.42	1.46	1.58	1.19	1.24	1.62	1.12	1.42
3	0.67	1.49	1.98	0.70	2.58	1.83	1.40	1.25	1.40	1.42	1.30	1.67
4	1.02	1.49	2.02	1.60	2.53	1.91	1.53	1.30	1.30	1.29	1.41	1.97
5	1.25	1.70	1.85	2.12	2.62	1.93	1.65	1.24	1.21	1.34	1.52	1.30
6	1.03	1.52	1.65	1.96	2.70	1.80	1.73	1.44	1.37	1.50	1.10	1.33
7	1.06	1.17	1.54	2.09	2.64	1.82	1.60	1.47	1.44	1.60	0.28	0.89
8	2.00	1.00	1.30	2.74	2.58	1.92	1.33	1.35	1.52	1.78	0.89	1.06
9	2.18	1.13	1.25	3.39	2.58	2.04	1.25	1.28	1.56	1.94	0.90	1.09
10	2.70	1.24	1.40	3.40	2.40	1.85	1.30	1.22	1.58	1.38	0.94	1.29
11	2.67	1.59	1.06	3.50	2.32	1.62	1.49	1.27	1.30	1.40	1.02	1.50
12	2.73	1.68	1.05	3.49	2.24	1.45	1.35	1.36	1.45	1.31	1.29	1.12
13	2.53	1.03	0.87	3.39	2.06	1.38	1.97	1.45	1.73	1.50	1.55	1.62
14	2.27	0.90	0.01	3.28	1.79	1.22	1.46	1.39	2.14	1.67	1.66	1.98
15	2.24	1.02	0.20	3.85	1.75	1.08	1.50	1.36	1.90	1.60	2.09	1.54
16	1.97	1.59	1.07	3.46	1.72	1.35	1.55	1.16	1.54	1.60	2.51	1.34
17	1.76	1.11	1.33	3.35	1.60	1.56	1.53	1.03	1.35	1.70	2.80	1.26
18	1.65	0.95	1.06	3.26	1.84	1.80	1.54	1.02	1.47	1.94	2.57	1.24
19	1.50	0.64	1.19	3.08	1.70	2.04	1.49	1.20	1.73	2.02	2.53	1.08
20	1.70	1.00	1.22	3.03	1.35	2.35	1.44	1.26	1.92	2.16	2.17	1.43
21	2.66	1.30	1.09	2.81	1.45	2.26	1.19	1.33	1.99	1.98	1.85	0.90
22	2.90	1.28	1.18	2.59	1.63	2.29	1.15	1.36	1.93	1.24	1.64	0.90
23	3.09	0.95	1.18	2.52	1.92	2.14	1.20	1.35	1.87	1.08	1.45	0.84
24	3.43	1.15	1.05	2.56	2.16	2.11	1.12	1.28	1.81	1.35	1.20	0.76
25	3.18	1.50	1.27	2.36	2.07	2.03	1.08	1.16	1.79	1.40	1.04	0.85
26	3.18	1.59	1.25	2.12	1.86	1.94	1.05	1.40	1.90	1.57	0.86	0.92
27	2.91	1.36	1.10	1.85	1.72	1.90	1.16	1.54	1.55	1.23	0.42	0.60
28	2.80	1.31	1.13	1.86	1.76	1.86	1.33	1.45	0.99	0.97	0.49	0.85
29	2.59	-----	1.11	1.80	1.79	1.96	1.23	1.30	1.13	1.55	0.72	0.96
30	2.35	-----	1.20	1.86	1.76	1.88	1.25	1.31	1.31	2.41	0.83	0.33
31	2.06	-----	1.40	-----	1.66	-----	1.21	1.15	-----	1.59	-----	0.59

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.11	1.29	1.21	2.53	2.04	1.80	1.40	1.29	1.55	1.57	1.38	1.15
MAX	3.43	1.86	2.02	3.85	2.70	2.35	1.97	1.54	2.14	2.41	2.80	1.98
MIN	0.47	0.64	0.01	0.69	1.35	1.08	1.05	1.02	0.99	0.97	0.28	0.33
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 1.61.

HIGHEST STAGE WAS 3.92 AT 2:30 A. M. ON APR 14.

LOWEST STAGE WAS 0.01 ON MAR 14.

## DAILY STAGE FOR 1993

CHARENTON DRAINAGE CANAL AT BALDWIN, LA.

LOCATION. LAT. 29-49-23, LONG. 91-32-30. ABOUT 35 FEET SOUTHWEST OF SOUTHERN PACIFIC RAILROAD BRIDGE. (STA. 6445013.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO 1981 GAGE ZERO WAS MINUS 0.26 FOOT NGVD.

RECORDS AVAILABLE. AUG. 15, 1941 TO DATE.

EXTREMES. HIGHEST, 5.16 FEET (CAUSED BY HURRICANE) ON JUNE 27, 1957. LOWEST, (FROM INCOMPLETE RECORD), MINUS 1.82 FEET ON DEC. 22, 1989. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.59	0.95	0.65	0.60	1.54	1.03	1.83	1.17	1.15	1.60	1.00	1.22
2	0.17	0.79	1.49	0.29	2.20	1.75	1.73	1.49	1.50	1.55	1.02	1.45
3	0.52	0.99	1.16	0.65	2.15	2.27	1.49	1.56	1.44	1.20	1.10	1.74
4	0.90	1.01	1.03	1.18	2.10	2.29	1.96	1.50	1.25	1.28	1.40	2.15
5	0.74	1.38	0.81	1.42	2.58	2.22	2.06	1.45	1.25	1.25	1.52	1.06
6	0.64	0.95	0.76	1.54	2.55	1.97	2.02	1.64	1.50	1.55	0.42	1.23
7	0.71	0.85	0.94	2.15	2.49	2.14	1.76	1.74	1.55	1.71	0.00	0.73
8	1.36	0.88	0.90	2.18	2.49	2.28	1.39	1.53	1.66	2.05	0.93	0.81
9	1.55	1.25	1.06	2.22	2.50	2.22	1.46	1.36	1.74	2.11	0.78	0.84
10	2.03	1.56		2.16	2.17	1.78	1.50	1.23	1.69	1.06	0.75	1.01
11	1.74	1.85		2.38	1.59	1.39	1.66	1.33	1.25	1.60	0.83	1.00
12	2.16	1.23		2.27	1.75	1.28	1.38	1.65	1.73	1.30	1.14	0.79
13	1.33	0.45		2.23	1.25	1.32	1.63	1.62	2.16	1.45	1.39	1.80
14	1.13	0.42		2.30	1.10	1.22	1.55	1.43	2.65	1.49	1.60	1.36
15	1.40	0.78		2.60	1.44	1.04	1.59	1.42	1.64	1.42	1.85	0.91
16	1.00	1.29		1.86	1.62	1.62	1.70	1.13	1.35	1.47	2.32	1.22
17	0.96	0.39		1.94	1.58	1.95	1.65	1.00	1.27	1.65	1.92	1.23
18	1.04	0.35		2.24	2.05	2.22	1.65	1.22	1.55	2.08	1.61	1.22
19	0.90	0.45		2.30	1.65	2.35	1.59	1.48	2.14	2.15	1.81	0.96
20	1.29	0.98		2.24	1.27	2.74	1.51	1.40	2.13	2.49	0.85	1.50
21	1.75	1.40		1.50	1.59	2.47	1.29	1.44	2.15	1.90	1.17	0.39
22	1.79	0.99 F	1.25	1.89	1.92	2.44	1.43	1.55	2.06	0.74	0.95	0.62
23	1.92	0.98	1.29	2.24	2.37	2.19	1.44	1.45	1.97	1.17	0.94	0.42
24	2.12	1.29	1.17	2.56	2.58	2.23	1.30	1.29	1.91	1.53	0.78	0.48
25	1.84	1.95	1.56	2.14	2.06	1.94	1.25	1.12	2.01	1.40	0.67	0.55
26	1.81	0.87	1.20	1.45	1.61	1.79	1.13	1.71	2.21	1.48	0.40	0.24
27	1.60	0.85	1.32	1.20	1.60	1.94	1.37	2.04	1.05	0.90	-0.06	0.41
28	1.72	1.01	1.23	1.44	1.67	1.90	1.56	1.51	0.87	0.74	0.36	0.70
29	1.47	-----	1.07	1.56	1.60	1.98	1.34	1.32	1.06	1.31	0.55	0.61
30	1.15	-----	1.25	1.55	1.66	2.02	1.47	1.35	1.30	1.25	0.69	0.01
31	0.98	-----	1.05	-----	1.58	-----	1.36	1.14	-----	0.48	-----	0.53

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.30	1.00	1.12	1.81	1.88	1.93	1.55	1.43	1.64	1.46	1.02	0.94
MAX	2.16	1.95	1.56	2.60	2.58	2.74	2.06	2.04	2.65	2.49	2.32	2.15
MIN	0.17	0.35	0.65	0.29	1.10	1.03	1.13	1.00	0.87	0.48	-0.06	0.01
DAYS	31	28	19	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 353

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.44.

HIGHEST STAGE WAS 3.34 AT 7:30 P. M. ON APR 14.

LOWEST STAGE WAS MINUS 0.16 ON NOV 27.

## DAILY STAGE FOR 1993

## BAYOU TECHE AT WEST CALUMET FLOODGATE (LA.)

LOCATION. LAT. 29-42-13, LONG. 91-22-31. IN CHANNEL ON SOUTHWEST END OF FLOODGATE, 0.8 MILE NORTHWEST OF CALUMET, LA. (STA. 6465010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. SEP. 12, 1951 TO DATE.

EXTREMES. HIGHEST, 4.65 FEET ON APR. 17, 1973. LOWEST, MINUS 2.25 FEET ON DEC. 6, 1954.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO, MINUS 0.14 FOOT, NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.75	2.15	1.55	2.00	2.47	1.75	2.18	2.52	2.50	2.20	2.13	2.45
2	1.60	1.95	1.90	1.74	2.66	1.96	2.08	2.44	2.60	2.20	2.05	2.40
3	1.66	2.12	2.25	1.82	2.93	2.35	2.16	2.37	2.55	2.10	2.18	2.30
4	1.90	2.17	2.30	2.04	2.65	2.16	2.28	2.36	2.57	2.20	2.25	2.48
5	2.12	2.37	2.05	2.38	2.73	2.16	2.34	2.59	2.40	2.25	2.45	2.32
6	1.74	2.05	1.88	2.03	2.62	1.89	2.35	2.55	2.55	2.25	1.50	2.40
7	1.73	1.78	1.74	2.20	2.52	1.85	2.35	2.52	2.55	2.30	1.28	1.69
8	2.28	1.75	1.75	2.78	2.67	2.10	2.32	2.53	2.44	2.40	1.90	1.94
9	2.30	1.97	1.95	2.95	2.53	2.35	2.34	2.40	2.53	2.50	1.73	2.02
10	2.50	1.96	3.06	2.75	2.59	2.18	2.35	2.60	2.48	1.85	1.54	2.02
11	2.40	2.17	1.60	2.83	2.47	1.98	2.60	2.63	2.28	1.90	1.60	2.11
12	2.46	2.36	1.95	2.70	2.25	2.03	2.40	2.61	2.48	2.15	1.88	1.68
13	2.30	1.90	1.63	2.65	2.38	2.06	2.05	2.60	2.47	2.30	2.05	2.33
14	2.08	1.79	1.69	2.70	1.95	2.00	2.13	2.55	2.55	2.20	2.29	2.63
15	2.10	1.97	1.72	3.42	2.25	2.13	2.00	2.54	2.40	2.30	2.30	2.00
16	2.05	2.37	1.73	2.93	2.18	2.41	2.12	2.38	2.26	2.37	2.73	2.08
17	2.03	1.70	2.10	2.85	2.15	2.27	2.35	2.42	2.38	2.45	2.45	1.87
18	2.20	1.65	1.92	2.93	2.43	2.45	2.27	2.25	2.55	2.65	1.95	2.20
19	2.02	1.50	2.10	2.75	2.17	2.40	2.45	2.36	2.54	2.55	2.33	2.13
20	2.15	2.03	1.95	2.75	2.13	2.65	2.40	2.50	2.45	2.70	1.56	2.11
21	2.53	2.14	1.95	2.47	2.13	2.55	2.24	2.28	2.40	2.37	1.76	1.92
22	2.49	1.90	2.05	2.05	2.32	2.35	2.40	2.50	2.55	2.55	1.90	2.10
23	2.55	1.82	2.08	2.27	2.35	2.33	2.36	2.50	2.55	2.10	2.14	2.11
24	2.79	1.82	2.05	2.36	2.40	2.16	2.35	2.15	2.45	2.26	2.26	2.08
25	2.36	2.00	2.20	2.32	2.31	2.05	2.30	2.10	2.50	2.35	2.05	2.32
26	2.35	1.93	2.13	2.20	2.01	2.00	2.40	2.40	2.62	2.31	2.37	2.16
27	2.02	1.53	2.25	2.12	2.20	2.00	2.52	2.40	2.23	2.07	2.35	2.35
28	2.40	1.67	2.05	2.10	2.00	2.28	2.47	2.35	1.85	2.06	2.57	2.07
29	2.22	-----	2.10	2.13	2.05	2.45	2.50	2.50	2.14	2.33	2.23	2.30
30	1.97	-----	1.85	2.25	2.12	2.35	1.95	2.25	2.25	2.32	2.36	2.00
31	2.03	-----	2.03	-----	2.50	-----	2.10	2.48	-----	1.70	-----	2.26

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.16	1.95	1.99	2.45	2.36	2.19	2.29	2.44	2.44	2.27	2.07	2.16
MAX	2.79	2.37	3.06	3.42	2.93	2.65	2.60	2.63	2.62	2.70	2.73	2.63
MIN	1.60	1.50	1.55	1.74	1.95	1.75	1.95	2.10	1.85	1.70	1.28	1.68
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 362  
 THE MEAN STAGE FOR THE YEAR WAS 2.23.  
 HIGHEST STAGE WAS 3.75 AT 10:30 P. M. ON APR 14.  
 LOWEST STAGE WAS 1.15 ON NOV 6.

## DAILY STAGE FOR 1993

## BAYOU TECHE AT EAST CALUMET FLOODGATE (LA.)

LOCATION. LAT. 29-42-08, LONG. 91-22-07. IN CHANNEL ON SOUTHEAST END OF FLOODGATE, 0.2 MILE NORTH OF CALUMET, LA. (STA. 6470010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO 1976 GAGE ZERO WAS MINUS 0.14 FOOT, NGVD.

RECORDS AVAILABLE. SEP. 13, 1951 TO DATE.

EXTREMES. HIGHEST, 5.08 FEET ON OCT. 3, 1964. LOWEST, MINUS 2.34 FEET ON DEC. 23, 1953. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.61	2.85	2.49	2.76	3.00		3.05	2.71	2.92	2.65	2.10	2.52
2	2.59	2.84	2.48	2.75	3.44		2.95	2.69	2.90	2.63	2.05	2.52
3	2.62	2.80	2.82	2.73	3.33 F	2.90	2.90	2.66	2.94	2.63	2.15	2.54
4	2.62	2.80	2.76	3.00		2.92	2.97	2.62	2.97	2.40	2.15	2.53
5	2.66	2.75	2.75	2.97		2.96	2.92	2.60	2.99	2.39	2.50	2.65
6	2.72	2.75	2.74	2.96		2.99	2.90	2.60	2.97	2.40 F	1.70	2.59
7	2.73	2.74	2.70	2.98		2.98	2.88	2.56	3.02	2.40 F	1.68	2.59
8	2.79	2.73	2.69	3.39		2.90	2.84	2.60	3.05	2.40	1.95	2.59
9	2.75	2.73	2.66	3.54		2.88	2.82	2.65	2.88	2.40	1.73	2.59
10	2.82	2.72 F	2.61	3.39		2.88	2.85	2.63	2.92	2.43 F	1.70	2.59
11	2.91	2.85	2.63	3.30		2.88	2.98	2.59	2.78	2.42 F	1.70	2.64
12	2.90	2.85	2.61	3.28		2.87	2.94	2.57	2.98	2.40	1.92	2.64
13	2.88	2.82	2.70	3.15		2.84	2.98	2.55	2.99	2.43	2.10	2.66
14	2.91	2.80	2.70	3.18		2.83	2.93	2.54	2.93	2.46	2.30	2.81
15	2.95	2.76	2.75	3.58		2.81	2.94	2.55	2.93	2.45	2.37	2.81
16	2.95	2.75	2.76	3.42		2.76	2.93	2.60	2.76	2.46	2.74	2.81
17	2.95	2.77	3.04	3.32		2.75	2.95	2.60	2.66	2.48	2.52	2.80
18	2.94	2.70	3.01	3.30		2.76	2.99	2.60	2.68	2.48	1.89	2.78
19	2.92	2.67	2.96			3.13	2.96	2.60	2.70	2.48	2.31	2.78
20	2.94	2.64	2.94			3.12	2.93	2.60	2.68	2.53 F	1.69	2.78
21	2.95	2.60	2.92 F	3.00		3.14	2.90	2.74	2.67	2.83	1.72	2.75
22	2.95	2.60	2.89	3.00		3.11	2.90	2.84	2.71	2.79	1.90	2.75
23	2.95	2.58	2.85	2.96		3.08	2.89	2.89	3.00	2.40	2.28	2.80
24	2.92	2.55	2.84	2.95		3.15	2.85	2.89	3.21	2.40	2.30	2.80
25	2.97	2.52	2.84	2.95		3.10	2.83	2.90	2.65	2.41	2.48	2.79
26	2.92	2.54	2.85	2.96		3.07	2.80	2.90	2.65	2.40	2.54	2.76
27	2.89	2.54	2.85	2.92		3.13	2.77	2.89	2.32	2.33	2.44	2.76
28	2.87	2.50	2.83	2.90		3.10	2.72	2.89	2.18	2.16	2.50	2.75
29	2.85	-----	2.84	2.89		3.07	2.79	2.89	2.61	2.55	2.50	2.76
30	2.88	-----	2.83	2.89		3.04	2.77	2.88	2.72	2.44	2.50	2.79
31	2.87	-----	2.79	-----		-----	2.73	2.89	-----	1.71	-----	2.70

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.84	2.71	2.78	3.09	3.26	2.97	2.89	2.70	2.81	2.44	2.15	2.70
MAX	2.97	2.85	3.04	3.58	3.44	3.15	3.05	2.90	3.21	2.83	2.74	2.81
MIN	2.59	2.50	2.48	2.73	3.00	2.75	2.72	2.54	2.18	1.71	1.68	2.52
DAYS	31	28	31	28	3	28	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 330

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 2.73.

HIGHEST STAGE WAS 3.71 AT 1:20 P. M. ON APR 8.

LOWEST STAGE WAS (FROM INCOMPLETE RECORD) WAS 1.68 ON OCT 31 AND LATER DATE(S).

## DAILY STAGE FOR 1993

## BAYOU VERMILION AT TONTONS BRIDGE (LA.)

LOCATION. LAT. 30-21-00, LONG. 91-58-53. ON HIGHWAY 726 BRIDGE, NORTHEAST OF CARENCRO, LA. (STA. 6715012C.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. MAY 6, 1947 TO AUG. 24, 1973 AND MAY 2, 1974 TO DATE.

EXTREMES. HIGHEST, 21.70 FEET ON APR. 21, 1977. LOWEST, MINUS 0.35 FOOT ON DEC. 7, 1954.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	5.69	13.21	10.10	6.15	7.16	5.85	7.95	7.04	5.73	5.80	6.86	7.60
2	5.75	12.41	14.66	6.00	11.54	5.74	7.04	6.24	5.81	5.88	6.41	7.09
3	5.79	11.84	16.32	5.97	12.40	5.87	6.63	5.95	5.84	5.86	6.22	6.62
4	5.87	11.33	15.48	15.45	11.85	5.94	6.42	5.86	5.87	5.75	6.06	6.38
5	6.75	10.85	14.58	15.88	11.28	6.05	6.29	5.91	5.83	5.73	6.10	6.66
6	6.33	10.40	13.64	15.07	10.52	6.08	6.19	5.95	5.81	5.75	6.05	6.42
7	6.54	9.93	12.40	13.90	9.82	6.05	6.14	5.90	5.89	5.84	5.84	6.08
8	17.54	9.45	11.29	17.90	9.28	6.09	6.03	6.22	5.79	5.95	5.78	5.69
9	17.46	8.96	10.20	19.16	8.85	6.19	5.92	6.26	5.63	6.05	5.95	5.38
10	16.63	8.45	9.40	18.87	8.46	6.15	6.13	6.10	5.66	6.00	6.40	5.38
11	16.07	8.79	8.65	18.19	8.00	6.07	8.79	5.92	5.33	5.87	6.21	11.15
12	16.94	8.95	7.98	17.31	7.41	6.10	7.41	5.84	5.45	5.91	6.16	9.30
13	16.35	8.16	9.77	16.55	7.10	6.09	6.56	5.83	5.77	6.12	6.23	7.81
14	15.38	7.70	9.05	15.77	6.66	5.94	6.47	5.82	6.08	6.23	6.28	13.52
15	14.55	7.34	7.81	15.87	6.45	5.83	6.66	5.76	6.11	6.17	17.43	12.20
16	13.66	8.55	7.34	15.14	6.31	5.80	7.12	5.74	5.83	6.14	18.94	10.65
17	12.45	9.70	13.26	14.25	6.15	5.94	7.00	5.75	5.60	6.11	18.66	9.17
18	11.40	8.15	11.33	13.44	6.06	6.09	7.55	5.73	5.50	6.13	17.89	7.69
19	10.42	6.94	9.72	12.55	6.39	6.48	6.87	5.75	5.48	6.18	17.03	6.82
20	16.70	6.78	8.40	11.74	6.22	7.27	7.85	5.77	5.61	6.23	16.05	6.37
21	20.82	6.67	7.62	11.08	6.06	7.00	6.82	5.84	5.65	6.30	15.12	5.97
22	20.51	6.83	7.16	10.52	5.96	7.55	6.38	5.86	5.50	6.18	14.13	5.54
23	19.97	6.62	6.93	10.05	6.00	7.11	6.12	5.84	5.14	6.04	12.94	6.60
24	19.33	6.39	7.00	9.64	6.21	10.95	5.95	5.83	4.76	6.00	11.86	6.54
25	18.53	6.23	7.03	9.27	6.23	9.55	5.87	5.78	4.67	6.04	10.94	6.15
26	17.85	14.18	7.40	8.89	6.10	9.26	5.81	5.80	4.79	6.09	10.22	5.83
27	17.15	13.12	7.59	8.48	6.02	7.90	5.76	5.89	5.85	6.07	9.62	5.54
28	16.41	11.45	6.85	8.13	6.08	12.80	5.85	5.97	5.54	5.95	9.04	5.24
29	15.63	-----	6.50	7.80	6.10	11.03	5.81	5.87	5.65	6.05	8.45	5.77
30	14.81	-----	6.34	7.45	6.00	9.40	8.00	5.81	5.75	10.04	7.99	6.26
31	13.99	-----	6.31	-----	5.94	-----	8.17	5.79	-----	8.18	-----	5.69

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	13.98	9.26	9.62	12.55	7.57	7.14	6.70	5.92	5.60	6.21	10.10	7.20
MAX	20.82	14.18	16.32	19.16	12.40	12.80	8.79	7.04	6.11	10.04	18.94	13.52
MIN	5.69	6.23	6.31	5.97	5.94	5.74	5.76	5.73	4.67	5.73	5.78	5.24
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 8.48.

HIGHEST STAGE WAS 20.85 AT 1:00 A. M. ON JAN 21.

LOWEST STAGE WAS 4.67 ON SEP 25.

## DAILY STAGE FOR 1993

## BAYOU VERMILION AT LONG BRIDGE, LA.

LOCATION. LAT. 30-14-25, LONG. 91-57-49. ON HIGHWAY 94 BRIDGE, EAST OF LAFAYETTE, LA.  
(STA. 6722512C.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1933. DAILY, OCT. 1937 TO DATE.

EXTREMES. HIGHEST, 20.4 FEET ON AUG. 15, 1940. LOWEST, MINUS 1.04 FEET ON DEC. 6, 1954.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3.98	12.01	7.55	3.99	6.03	3.80	6.03	4.96	4.08	4.45	5.43	6.94
2	3.69	11.58	8.70	3.59	8.43	3.69	5.40	4.52	4.19	4.55	5.12	6.45
3	3.94	11.14	9.76	3.75	8.39	3.94	5.01	4.33	4.25	4.39	4.96	6.00
4	4.28	10.71	9.75	10.08	8.30	3.99	4.82	4.30	4.32	4.27	4.80	5.79
5	4.56	10.30	9.66	9.57	8.10	4.40	4.75	4.26	4.18	4.26	4.79	5.39
6	4.35	9.89	9.45	9.51	7.84	4.37	4.68	4.35	4.32	4.42	4.47	5.12
7	4.63	9.43	9.15	9.38	7.53	4.38	4.52	4.33	4.47	4.53	4.02	4.79
8	11.03	8.96	8.75	12.57	7.20	4.52	4.36	4.35	4.35	4.76	4.35	4.65
9	10.67	8.53	8.43	12.86	6.87	4.74	4.23	4.20	4.20	4.84	4.69	4.42
10	10.76	8.03	7.76	13.00	6.58	4.61	4.37 F	4.37	4.08	4.59	4.77	4.45
11	10.87	7.95	7.23	13.00	6.10	4.41	6.13	4.28	3.80	4.35	4.60	7.18
12	11.09	7.70	6.70	12.86	5.58	4.42	5.48	4.20	3.94	4.54	4.69	6.48
13	11.11	7.11	7.10	12.64	5.32	4.31	4.99	4.25	4.32	4.90	4.83	5.94
14	10.98	6.61	6.69	12.35	4.72	4.14	5.07	4.20	4.80	4.99	4.91	8.94
15	10.80	6.22	6.07	12.35	4.50	3.96	4.87	4.13	4.84	4.85	12.57	8.54
16	10.52	6.89	6.09	12.13	4.33	4.10	5.31	4.02	4.34	4.84	12.36	8.09
17	10.18	7.15	8.34	11.77	4.08	4.40	5.05	4.00	3.94	4.82	12.42	7.45
18	9.78	6.44	7.95	11.40	3.98	4.65	5.54	4.01	4.01	4.91	12.47	6.56
19	9.34	5.50	7.40	11.02	4.16	4.90	5.22	4.15	4.15	5.05	12.39	5.84
20	12.75	5.34	6.74	10.60	3.80	6.16	6.10	4.20	4.30	5.09	12.15	5.43
21	14.65	5.08	6.12	10.16	3.97	5.78	5.40	4.32	4.56	5.05	11.79	4.87
22	14.58	5.00	5.66	9.70	4.02	6.36	5.07	4.21	4.50	4.64	11.41	4.44
23	14.56	4.71	5.35	9.27	4.27	5.83	4.76	4.19	4.33	4.39	10.99	5.02
24	14.45	4.63	5.04	8.87	4.56	7.01	4.49	4.11	3.92	4.54	10.55	4.82
25	14.28	4.72	4.95	8.53	4.45	6.80	4.32	4.05	3.82	4.66	10.05	4.53
26	14.02	8.81	5.10	8.10	4.17	6.83	4.16	4.15	3.80	4.77	9.55	4.09
27	13.73	8.36	5.08	7.64	3.99	6.25	4.06	4.39	4.25	4.66	9.02	3.99
28	13.45	8.05	4.72	7.25	4.22	7.52	4.25	4.44	3.77	4.45	8.54	3.92
29	13.14	-----	4.47	6.86	4.36	7.24	4.15	4.27	4.14	4.82	7.98	4.25
30	12.81	-----	4.42	6.40	4.24	6.69	4.94	4.17	4.29	7.74	7.42	4.05
31	12.42	-----	4.36	-----	4.04	-----	5.33	4.13	-----	6.39	-----	3.98

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	10.37	7.74	6.92	9.71	5.42	5.13	4.96	4.25	4.21	4.82	7.94	5.56
MAX	14.65	12.01	9.76	13.00	8.43	7.52	6.54	4.96	4.84	7.74	12.57	8.94
MIN	3.69	4.63	4.36	3.59	3.80	3.69	4.06	4.00	3.77	4.26	4.02	3.92
DAYS	31	28	31	30	31	30	31	29	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 363

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 6.42.

HIGHEST STAGE WAS 15.12 AT 3:00 P. M. ON JAN 20.

LOWEST STAGE WAS 3.48 ON APR 2.



## DAILY STAGE FOR 1993

## RUTH CANAL AT RUTH, LA. (WEST)

LOCATION. LAT. 30-14-34, LONG. 91-53-05. ABOUT 250 FEET DOWNSTREAM FROM CONTROL STRUCTURE, 0.45 MILE BELOW JUNCTION WITH BAYOU TECHE. (STA. 6730012C.)

GAGE. STAFF TYPE.

GENERAL INFORMATION. THE LOCATION OF GAGE HAS BEEN CHANGED SEVERAL TIMES DURING PERIOD OF RECORD. ZERO OF GAGE IN 1946 WAS AT M.L.G.

RECORDS AVAILABLE. INTERMITTENTLY, 1945. DAILY, JAN. 1938 TO DEC. 1944 AND JAN. 1946 TO DATE.

EXTREMES. HIGHEST, 18.5 FEET FROM AUG. 14 TO 16, 1940. LOWEST, 0.00 FOOT ON DEC. 4, 1967.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1970 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	4.30	10.90	6.61	4.12	5.38	3.83	5.59	5.05	4.72	4.80	5.73	6.23
2	4.31	10.64	7.61	3.90	7.37	3.86	5.26	4.87	4.78	4.83	5.62	5.83
3	4.43	10.18	8.26	3.84	7.29	4.02	5.08	4.77	4.79	4.72	5.01	5.54
4	4.58	9.77	8.34	8.41	7.17	3.98	4.98	4.79	4.81	4.70	5.02	5.38
5	4.59	9.48	8.34	8.10	7.05	4.75	4.94	4.80	4.77	4.68	5.00	4.98
6	4.47	9.14	8.24	8.03	6.93	4.76	4.96	4.82	4.80	4.98	4.91	4.82
7	8.04	8.59	7.99	8.09	6.71	4.77	4.83	4.83	4.88	5.20	4.72	4.58
8	9.17	8.28	7.80	10.23	6.40	4.80	4.79	4.99	4.73	5.38	4.85	4.37
9	8.97	7.78	7.38	11.10	6.02	4.89	4.67	4.97	4.65	5.43	5.10	4.33
10	9.17	7.21	6.91	11.20	5.84	4.82	4.82	4.82	4.57	5.32	5.04	4.60
11	9.40	7.16	6.45	11.31	5.47	4.76	5.77	4.84	4.57	5.28	4.99	6.06
12	9.61	6.91	6.00	11.27	4.88	4.69	5.37	4.80	4.66	5.39	5.02	5.52
13	9.70	6.43	6.29	11.14	4.28	4.64	5.08	4.82	4.87	5.52	5.13	5.36
14	9.67	6.00	5.97	11.00	4.25	4.64	5.15	4.78	5.17	5.63	5.17	5.56
15	9.58	5.71	5.29	11.01	3.95	4.67	5.02	4.74	4.83	5.50	9.67	7.20
16	9.40	6.30	6.81	10.80	3.86	4.70	5.27	4.76	4.13	5.49	10.10	6.97
17	9.14	6.31	7.01	10.59	3.78	4.78	5.12	4.74	4.00	5.48	10.72	6.54
18	8.90	5.88	6.80	10.24	3.74	4.91	5.38	4.76	4.02	5.52	10.91	5.85
19	8.56	5.12	6.48	10.02	3.77	5.00	5.18	4.77	4.08	5.57	10.93	5.32
20	10.08	5.01	6.00	9.67	3.53	5.67	5.63	4.79	4.16	5.62	10.76	4.99
21	12.30	4.85	5.47	9.34	3.60	5.48	5.30	4.85	4.90	5.60	10.54	4.59
22	12.70	4.74	5.15	8.94	3.64	5.90	5.14	4.80	4.87	5.46	10.27	4.37
23	12.73	4.56	4.91	8.57	3.81	5.53	4.97	4.77	4.78	5.37	9.99	4.65
24	12.64	4.43	4.63	8.21	3.99	6.27	4.82	4.84	4.44	5.44	9.57	4.57
25	12.52	4.55	4.59	7.73	3.94	6.06	4.74	4.76	4.40	5.45	9.24	4.23
26	12.23	9.57	4.68	7.29	3.61	6.08	4.64	4.77	4.47	5.47	8.80	4.03
27	12.02	7.10	4.60	7.04	3.63	6.09	4.62	4.83	4.61	5.43	8.34	4.00
28	11.93	6.92	4.42	6.67	4.08	6.51	4.77	4.86	4.50	5.37	7.80	3.98
29	11.72	-----	4.30	6.29	4.17	6.37	4.76	4.78	4.70	5.44	7.14	4.18
30	11.50	-----	4.25	5.80	4.01	6.00	5.01	4.75	4.75	7.02	6.73	4.03
31	11.10	-----	4.17	-----	3.98	-----	5.20	4.74	-----	6.02	-----	3.99

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	9.34	7.13	6.19	8.66	4.84	5.11	5.06	4.81	4.61	5.39	7.43	5.12
MAX	12.73	10.90	8.34	11.31	7.37	6.51	5.77	5.05	5.17	7.02	10.93	7.56
MIN	4.30	4.43	4.17	3.84	3.53	3.83	4.62	4.74	4.00	4.68	4.72	3.98
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 6.13.  
 HIGHEST STAGE WAS 12.73 ON JAN 23.  
 LOWEST STAGE WAS 3.53 ON MAY 20.

## DAILY STAGE FOR 1993

## VERMILION RIVER AT LAFAYETTE, LA.

LOCATION. LAT. 30-13-00, LONG. 91-59-35. ON SURREY AVENUE BRIDGE. (STA. 6737512C.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U. S. GEOLOGICAL SURVEY SINCE DEC. 1967. ZERO OF GAGE PRIOR TO 1968 WAS AT M.L.G. FROM 1969 TO 1981 GAGE ZERO WAS MINUS 1.53 FEET M.L.G. GAGE ZERO OF PUBLISHED REPORTS FOR 1982 THROUGH 1988 SHOULD BE CORRECTED TO MINUS 2.07 FEET M.L.G.

RECORDS AVAILABLE. FEB. 10, 1961 TO DATE. FOR RECORDS 1941 TO 1960, REFER TO GAGE PIN HOOK BRIDGE (V-A), 2.2 MILES DOWNSTREAM.

EXTREMES. HIGHEST, 16.80 FEET ON MAY 13, 1947. LOWEST, 1.02 FOOT ON NOV. 3, 1951. EXTREMES HAVE BEEN ADJUSTED  
CURRENT GAGE ZERO.

## MEAN DAILY STAGE IN FEET

## GAGE ZERO, MINUS 2.07 FEET, M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	4.72	12.38			7.56	4.71	6.68	5.56	4.89	5.42	6.12	7.76
2	4.42	12.05			9.39	4.90	6.19	5.29	5.05	5.48	5.94	7.30
3	4.83	11.69			8.89	5.15	5.83	5.18	5.09	5.20	5.78	6.93
4	5.25	11.32			8.68	5.13	5.71	5.16	5.08	5.08	5.66	6.69
5	5.31	10.95			8.55	5.44	5.70	5.14	4.99	5.09	5.63	6.16
6	5.04	10.55			8.37	5.35	5.63	5.22	5.24	5.27	5.17	5.96
7	8.38	10.11			8.10	5.43	5.42	5.44	5.31	5.42	4.70	5.67
8	11.16	9.70		13.29	7.85	5.74	5.16	5.68	5.24	5.73	5.19	5.56
9	10.23	9.27			7.63	5.79	5.13	5.40	5.14	5.74	5.59	5.39
10	10.46	8.91			7.30	5.55	6.17	5.19	5.01	5.32	5.54	6.29
11	10.69	8.75			6.79	5.30	6.69	5.15	4.88	5.23	5.44	7.18
12	10.89	8.37			6.36		6.16	5.17	5.08	5.48	5.59	6.77
13	10.77				6.03		5.85	5.20	5.58	5.85	5.74	8.16
14	10.67				5.51	5.02	5.93	5.10	6.06	5.81	6.29	8.87
15	10.62				5.41	4.88	5.98	5.01	5.65	5.64	12.79	8.33
16	10.49				5.28	5.20	6.09	4.84		5.61	12.64	8.15
17	10.30				5.07	5.52	6.14	4.78	4.84	5.63	12.35	7.81
18	10.07				5.12	5.83	6.30	4.82	4.98	5.77	12.15	7.19
19	9.77				5.06	6.51	6.66	5.00	5.19	5.90	11.94	6.61
20	13.48			11.07	4.81	7.22	6.77	5.07	5.32	5.99	11.76	
21	15.00			10.68	4.98	7.03	6.11	5.16		5.81	11.55	
22	14.72			10.27		7.40	5.87	5.06	5.40	5.26	11.34	
23	14.44			9.91		6.84	5.56	5.03	5.25	5.15	11.09	
24				9.57	5.90	7.55	5.30	4.96	5.05	5.42	10.80	
25				9.22	6.34	7.49	5.12	4.93	5.01	5.53	10.45	
26				8.79	5.51	7.53	5.00	5.19	5.16	5.61	10.05	
27				8.36	5.09	7.22	5.06	5.46	5.08	5.37	9.59	
28	13.42			8.01	5.29	7.53	5.18	5.33	4.69	5.16	9.12	
29	13.21	-----		7.65	5.35	7.43	5.12	5.14	5.07	6.50	8.65	5.05
30	12.96	-----		7.23	5.24	7.15	5.68	5.04	5.24	8.34	8.15	4.65
31	12.68	-----	-----	-----	5.03	-----	5.81	4.93	-----	6.84	-----	4.72

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	10.15	10.34		9.50	6.43	6.14	5.81	5.15	5.16	5.67	8.43	6.69
MAX	15.00	12.38		13.29	9.39	7.55	6.77	5.68	6.06	8.34	12.79	8.87
MIN	4.42	8.37		7.23	4.81	4.71	5.00	4.78	4.69	5.08	4.70	4.65
DAYS	27	12	0	12	29	28	31	31	28	31	30	22

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 281

THE MEAN STAGE FOR THE YEAR WAS 6.87.

HIGHEST STAGE WAS 15.81 AT 9:00 A.M ON JAN 20.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 4.30 ON JAN 2.

DAILY STAGE FOR 1993  
VERMILION RIVER AT PERRY, LA.

LOCATION. LAT. 29-57-05, LONG. 92-09-28. ON STATE HIGHWAY 82 BRIDGE. (STA. 6783013.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U.S. GEOLOGICAL SURVEY. PRIOR TO NOV. 30, 1976 GAGE WAS MAINTAINED BY U.S. ARMY CORPS OF ENGINEERS, NEW ORLEANS DISTRICT. GAGE ZERO PRIOR TO 1976 WAS M.L.G., FROM 1976 THROUGH 1978 N.G.V.D. AND FROM 1979 THROUGH 1981 MINUS 2.95 FEET N.G.V.D. GAGE ZERO OF PUBLISHED REPORTS FOR 1982 THROUGH 1988 SHOULD BE CORRECTED TO MINUS 3.34 FEET N.G.V.D.

RECORDS AVAILABLE. NOV. 1971 TO DATE. FOR RECORDS FROM JUNE 1931 TO MAY 1971, REFER TO STATION NEAR ABBEVILLE, LA.

EXTREMES. (FROM 1971 TO DATE) HIGHEST, 12.05 ON MAY 17, 1980. LOWEST, MINUS 1.64 FEET ON JAN. 27, 1976.

MEAN DAILY STAGE IN FEET

GAGE ZERO, MINUS 3.34 FEET, NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3.88	5.28	5.03	3.20	5.94	4.23	4.83	4.13	4.24	5.30	4.36	5.27
2	3.80	5.24	6.77	3.21	7.27	4.77	4.63	4.29	4.51	5.16	4.87	5.07
3	4.63	5.53	6.40	4.74	5.73	4.90	4.54	4.46	4.44	4.46	4.62	5.29
4	5.05	5.60	4.78	8.09	5.17	4.92	4.55	4.45	4.24	4.54	4.86	4.93
5	4.22	5.53	4.15	6.61	5.52	4.97	4.97	4.48	4.49	4.53	4.65	3.96
6	4.21	4.72	4.18	5.16	5.49	4.83	5.14	4.57	4.69	4.84	3.19	4.30
7	5.97	4.33	4.38	6.04	5.31	5.09	4.81	4.55	4.71	5.08	3.36	4.47
8	8.44	4.57	4.37	10.63	5.67	5.51	4.46	4.51	4.77	5.55	4.75	4.58
9	6.52	4.79	4.46	10.12	6.02	4.44	4.41	4.44	4.68	5.21	4.99	4.81
10	7.18	5.17	4.52	8.67	5.45	5.49	4.51	4.33	4.48	4.28	4.53	4.94
11	6.56	5.41	4.48	7.14	4.54	4.99	5.08	4.45	4.51	4.59	4.81	4.59
12	6.32	4.46	4.35	6.19	4.63	4.73	4.71	4.63	4.93	5.09	5.27	4.67
13	5.18	4.23	2.19	5.99	4.08	4.60	4.69	4.57	5.69	5.55	5.35	6.42
14	5.03	4.51	2.72	6.45	4.19	4.52	4.88	4.38	6.16	5.16	5.70	5.63
15	5.23	5.30	4.37	7.24	4.64	4.17	4.93	4.18	4.97	4.84	9.30	3.92
16	5.08	5.18	6.13	5.56	4.60	4.38	5.13	3.95	4.42	4.83	9.83	4.70
17	5.19	3.98	4.99	5.43	4.54	4.98	4.66	3.90	4.63	5.07	8.85	4.59
18	5.31	3.66	4.56	5.69	4.81	5.52	4.77	4.13	4.99	5.37	7.17	4.53
19	5.01	4.40	4.95	5.82	4.28	5.79	4.68	4.37	5.34	5.56	6.00	4.68
20	8.45	4.81	4.89	5.73	4.38	7.00	4.67	4.47	5.37	5.66	5.05	4.80
21	11.10	4.92	4.58	4.72	4.91	6.98	4.20	4.38	5.27	4.72	4.92	3.46
22	10.08	4.37	4.67	4.74	5.27	6.82	4.33	4.29	5.27	3.50	5.15	4.30
23	8.89	4.60	4.19	5.32	5.77	6.38	4.29	4.27	5.07	4.31	5.17	3.77
24	7.32	5.04	4.27	5.73	5.82	6.20	4.18	4.18	4.84	4.89	5.00	4.08
25	6.21	6.01	4.51	5.60	5.06	6.46	4.11	4.07	4.93	5.10	4.85	3.55
26	5.66	5.88	4.13	4.95	4.76	6.05	4.10	4.95	5.00	5.00	4.32	3.55
27	5.45	4.46	4.27	5.13	4.90	5.57	4.30	5.07	4.02	4.23	3.69	3.87
28	5.78	4.81	4.37	5.34	5.02	5.45	4.42	4.62	4.28	4.29	4.26	4.38
29	5.60	-----	4.52	5.60	5.05	5.13	4.27	4.43	4.74	5.73	4.58	3.71
30	5.29	-----	4.78	5.35	4.97	5.08	4.38	4.27	4.93	6.21	4.60	3.04
31	5.34	-----	4.15	-----	4.62	-----	4.17	4.14	-----	3.15	-----	4.07

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	6.06	4.89	4.55	6.01	5.11	5.36	4.57	4.38	4.82	4.90	5.27	4.45
MAX	11.10	6.01	6.77	10.63	7.27	7.00	5.14	5.07	6.16	6.21	9.83	6.42
MIN	3.80	3.66	2.19	3.20	4.08	4.17	4.10	3.90	4.02	3.15	3.19	3.04
DAYS	31	28	31	30	31	29	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364  
THE MEAN STAGE FOR THE YEAR WAS 5.03.  
HIGHEST STAGE WAS 11.29 AT 11:00 P.M. ON JAN 21.  
LOWEST STAGE WAS 1.72 ON MAR 13 AND LATER DATE(S).

## DAILY STAGE FOR 1993

## VERMILION RIVER NEAR BANCKER, LA.

LOCATION. LAT. 29-50-21, LONG. 92-07-36. ON RIGHT BANK, THREE MILES SOUTH OF BANCKER, LA.  
(STA. 6787513.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. FEB. 6, 1963 TO DATE.

EXTREMES. HIGHEST, 6.72 FEET (CAUSED BY HURRICANE) ON AUG. 15, 1985. ESTIMATED LOWEST, MINUS  
2.20 FEET ON NOV. 2, 1966.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.40	1.90	1.83	0.80	3.11	2.29	3.24	1.85	2.29	3.27	2.40	3.22
2	0.90	1.85	2.50	0.80	3.71	3.32	2.91	1.82	2.72	3.22	2.73	3.00
3	1.81	2.40	2.40	2.35	3.20	3.48	2.61	2.00	2.61	2.35	2.32	3.24
4	2.30	2.53	1.85	3.20	3.05	3.20	2.66	2.41	1.99	2.53	2.73	3.01
5	1.50	2.80	1.40	2.75	3.80	3.27	2.76	2.50	2.56	2.52	2.58	1.43
6	1.69	1.94	1.59	2.72	3.55	2.62	2.82	2.76	2.75	2.92	0.83	2.00
7	2.22	1.91	2.14	3.44	3.10	2.90	2.61	2.78	2.78	3.24	0.65	1.80
8	3.25	2.45	2.25	4.00	3.10	3.25	1.87	2.70	3.10	3.85	2.53	1.85
9	3.23	2.70	2.50	3.53	3.38	3.25	1.88	2.63	3.01	3.36	2.80	1.96
10	3.66	2.80	2.47	2.87	2.62	2.65	2.11	2.25	2.80	1.81	2.10	2.04
11	2.83	2.65	2.00	2.79	1.67	2.31	2.66	2.65	3.00	2.89	2.35	1.87
12	3.15	1.65	2.30	2.92	1.95	2.37	2.59	2.90	3.17	2.80	2.91	2.19
13	2.00	1.29		2.25	1.55	2.45	2.89	2.87	3.72	2.93	3.03	3.65
14	1.82	1.50 F	0.65	2.87	1.77	2.49	3.04	2.71	4.31	2.61	3.46	2.08
15	2.38	2.15	1.33	3.14	2.40	2.69	2.96	2.65	2.83	2.35	3.58	1.37
16	1.97	2.64	3.33	1.62	2.77	3.44	2.89	2.20	2.55	2.41	4.30	2.68
17	2.09	1.32	1.73	2.36	2.86	3.67	2.72	2.00	2.85	2.70	3.45	2.30
18	2.45	1.15	1.52	3.25	3.43	3.88	2.76	2.15	3.21	3.25	2.79	2.26
19	2.25	2.28	2.62	3.33	2.75	3.95	2.60	2.56	3.57	3.44	2.84	2.06
20	2.93	2.70	2.73	3.35	2.20	4.55	2.30	2.44	3.66	4.00	1.79	2.59
21	3.64	3.15	2.44	1.74	3.25	3.80	1.75	2.44	3.45	2.86	1.89	0.59
22	3.55	2.51	2.85	1.64	3.38	3.28	1.86	2.23	3.51	1.50	2.24	1.54
23	3.48	2.44	2.30	2.53	3.75	3.38	1.80	2.42	3.26	2.52	2.23	1.19
24	3.17	2.84	2.35	3.00	3.70	3.50	1.81	2.39	3.08	3.04	2.11	1.74
25	2.65	3.58	2.63	2.49	2.60	3.18	1.80	2.40	3.27	2.87	2.05	1.55
26	1.75	2.20	1.83	1.85	2.19	2.95	2.23	3.15	3.46	2.80	1.50	1.26
27	1.60	1.31	1.85	1.95	2.45	2.99	2.71	3.52	1.80	1.90	0.78	1.90
28	2.32	1.78	1.60	2.31	2.50	3.43	2.87	2.87	2.21	1.85	1.81	2.35
29	2.05	-----	1.56	2.63	2.69	3.37	2.75	2.63	2.54	2.82	2.05	1.65
30	1.64	-----	1.93	2.60	2.78	3.40	2.60	2.54	3.01	1.74	2.24	1.08
31	1.66	-----	1.47	-----	2.80	-----	2.10	2.35	----- F	0.57	-----	2.28

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.37	2.23	2.06	2.57	2.84	3.18	2.49	2.50	2.97	2.67	2.37	2.06
MAX	3.66	3.58	3.33	4.00	3.80	4.55	3.24	3.52	4.31	4.00	4.30	3.65
MIN	0.90	1.15	0.65	0.80	1.55	2.29	1.75	1.82	1.80	0.57	0.65	0.59
DAYS	31	28	30	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 2.52.

HIGHEST STAGE WAS 5.27 AT 4:00 P. M. ON JUN 19.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 0.30 ON DEC 29.

DAILY STAGE FOR 1993  
BAYOU NEZPIQUE NEAR BASILE, LA.

LOCATION. LAT. 30-28-50, LONG. 92-37-55. U. S. HIGHWAY 190 BRIDGE, TWO MILES WEST OF BASILE.  
(STA. 7007516.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U. S. GEOLOGICAL SURVEY. DRAINAGE AREA, 527  
SQUARE MILES.

RECORDS AVAILABLE. STAGE, OCT. 1938 TO DATE. PUBLISHED BY CORPS OF ENGINEERS SINCE 1946. DAILY  
DISCHARGE IS COMPUTED AND PUBLISHED BY U. S. GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 34.39 FEET ON MAY 20, 1953. LOWEST, 0.98 FOOT ON OCT. 18, 1987.

MEAN DAILY STAGE IN FEET

GAGE ZERO, 3.39 FEET, NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	5.81	5.59	17.51	7.82	8.92	3.30		6.29	2.72	2.36	8.54	2.56
2	5.30	4.94	19.23	7.21	19.99	3.12		5.88	2.31	2.37	6.24	2.38
3	4.79	4.57	21.44	7.03	22.52	2.89		5.04	2.14	2.31	4.84	2.24
4	4.51	4.33	22.11	15.09	22.97	2.77		4.57	1.92	2.16	4.13	3.97
5	5.64	4.06	21.87	19.63	22.42	2.79		4.41	1.84	1.97	4.48	11.30
6	6.79	3.94	21.45	20.83	21.69	2.71		4.93	1.73	1.76	5.03	11.07
7	10.29	4.01	20.96	20.92	21.05	2.46		4.76	1.59	1.60	4.68	8.38
8	17.46	3.95	20.43	21.68	20.40	2.37		6.05	1.48	1.54	3.90	6.25
9	19.73	3.84	19.78	22.69	19.59	2.47		7.85	1.43	1.52	3.32	4.98
10	20.07	3.94	18.96	23.00	18.47	2.42		7.88	1.38	1.49	3.71	7.66
11	19.81	7.11	17.85	22.62	16.22	2.32		6.27	1.35	1.53	4.55	15.03
12	19.63	10.19	15.34	22.08	12.16			4.90	1.33	2.18	4.26	16.77
13	20.14	9.37	12.89	21.53	8.32			3.99	1.32	5.47	3.75	16.92
14	20.26	7.65	11.63	21.06	5.91			3.47	1.32	6.31	3.40	16.79
15	19.92	6.23	9.33	20.66	4.88			3.12	1.34	5.25	12.66	16.64
16	19.33	7.02	10.87	20.34	4.51			2.93	1.41	4.15	18.34	14.99
17	18.54	11.88	15.38	19.88	4.11			2.76	1.40	3.48	19.91	12.04
18	17.58	12.32	16.41	19.07	3.84			2.52	1.38	2.84	20.06	9.10
19	16.24	10.61	15.67	17.84	4.13			2.48	1.38	2.36	19.63	7.02
20	16.61	8.56	13.21	15.41	6.12			2.41	1.37	2.13	18.86	5.89
21	19.25	6.85	10.00	11.81	6.24			2.61	1.45	2.48	17.62	5.30
22	20.56	5.92	7.79	8.86	5.29			2.70	1.70	3.67	15.23	5.07
23	20.61	5.44	10.53	6.65	4.31		4.69	2.62	1.75	4.44	11.46	7.12
24	20.21	4.72	14.81	5.89	3.76		4.53	3.02	1.62	4.01	8.02	8.96
25	19.53	6.07	15.68	5.84	3.48		4.75	3.25	1.50	3.45	5.62	8.02
26	18.66	15.12	16.32	5.81	3.62			2.73	1.45	3.12	4.21	7.06
27	17.68	17.91	17.03	5.62	3.59		3.60	2.28	1.50	2.79	3.57	6.26
28	16.35	18.09	16.59	5.30	3.40		3.79	2.07	2.20	2.61	3.23	5.79
29	13.40	-----	15.12	5.17	3.30		4.32	2.20	2.71	2.78	2.96	10.76
30	9.60	-----	12.34	4.96	3.55		4.68	3.06	2.52	8.02	2.74	12.47
31	7.00	-----	9.46	-----	3.47	-----	5.27	3.23	-----	10.75	-----	9.75

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	15.20	7.65	15.74	14.41	10.07	2.69	4.45	3.94	1.68	3.32	8.30	8.99
MAX	20.61	18.09	22.11	23.00	22.97	3.30	5.27	7.88	2.72	10.75	20.06	16.92
MIN	4.51	3.84	7.79	4.96	3.30	2.32	3.60	2.07	1.32	1.49	2.74	2.24
DAYS	31	28	31	30	31	11	8	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 323

THE MEAN STAGE FOR THE YEAR WAS 8.63.

HIGHEST STAGE WAS 23.05 AT 7:00 A.M. ON APR 10.

LOWEST STAGE WAS 1.32 ON SEP 13 AND LATER DATE(S).

## DAILY STAGE FOR 1993

## BAYOU DES CANNES NEAR EUNICE, LA.

LOCATION. LAT. 30-29-00, LONG. 92-29-25. U. S. HIGHWAY 190 BRIDGE, FOUR MILES WEST OF EUNICE.  
(STA. 7015016.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U. S. GEOLOGICAL SURVEY. DRAINAGE AREA, 131  
SQUARE MILES.

RECORDS AVAILABLE. STAGE, OCT. 1938 TO DATE. PUBLISHED BY CORPS OF ENGINEERS SINCE 1946. DAILY  
DISCHARGE IS COMPUTED AND PUBLISHED BY U. S. GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 22.36 FEET ON MAY 20, 1953. LOWEST NOT DETERMINED.

## MEAN DAILY STAGE IN FEET

GAGE ZERO, 14.84 FEET, NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1			6.07	5.35	8.01		4.00	5.09	1.70	1.22	3.60	
2			16.16	4.35	17.81		3.13	3.96	1.46	1.29	2.53	1.44
3			17.66	3.79	18.73		2.70	4.66	1.47	1.27		1.51
4			16.58	15.25	18.54		2.58	4.99	1.56	1.23		7.06
5	6.29		11.78	17.45	17.77		2.33	4.79	1.57	1.20		9.45
6	3.95		5.44	16.11	14.82		2.02	3.56	1.54	1.17		4.30
7	10.57		3.89	12.45	9.27		1.75	3.23	1.48	1.18		2.87
8	17.24			17.11	5.24		2.13	3.29	1.48	1.21		2.44
9	16.88			18.30	4.15		1.95	4.75	1.48	1.22		2.32
10	13.57			18.08	3.80		2.48	3.76	1.41	1.27		8.54
11	11.19	8.74		16.18			6.45	3.34	1.39	1.30		13.64
12	12.91	6.63		11.59			4.23	2.91	1.32	1.71		8.18
13	12.77	4.15	7.83	6.45			4.07	2.40	1.27	2.01		8.11
14	8.61		4.30	5.86			4.63	2.37	1.27	1.78		14.45
15	5.24			11.30			4.54	2.24	1.25	1.54		10.32
16	4.17	7.12		8.49		1.56	3.86	2.39	1.23	1.46		4.98
17	3.58	6.86	11.62	5.84		1.61	4.27	2.70	1.22	1.40		3.96
18		3.63	5.89	5.15		1.59	4.48	2.73	1.22	1.33		3.38
19			4.03	4.39	4.11	2.02	3.27	2.34	1.22	1.28		2.90
20	12.93		3.73	4.53	4.17	5.01	3.79	2.46	1.23	1.40		2.88
21	17.62			5.06		8.84	3.38	2.35	1.23	2.63		2.91
22	17.57			4.66		10.23	2.83	2.36	1.23	2.13		3.54
23	15.38		9.35	4.05		10.76	2.80	3.02	1.21	1.71		7.50
24	10.95		8.15			14.26	2.89	2.70	1.19	1.52		4.66
25	6.44		5.97	3.80		14.89	3.07	2.05	1.19	1.45		3.20
26	4.61	15.16	11.00			15.00	2.72	1.74	1.21	1.40		2.61
27	3.68	11.90	7.13			14.38	2.92	1.60	1.38	1.34		2.35
28		5.11	5.75			12.42	2.98	1.78	1.35	1.32		2.86
29		-----	5.40			8.42	2.96	1.95		2.22		11.18
30		-----	5.71	3.87		5.07	6.65	1.82	1.21	11.26		6.97
31		-----	5.28	-----		-----	6.74	1.71	-----	7.45	-----	3.85

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	10.29	7.70	8.12	9.18	10.53	8.40	3.50	2.94	1.34	2.00	3.07	5.48
MAX	17.62	15.16	17.66	18.30	18.73	15.00	6.74	5.09	1.70	11.26	3.60	14.45
MIN	3.58	3.63	3.73	3.79	3.80	1.56	1.75	1.60	1.19	1.17	2.53	1.44
DAYS	21	9	22	25	12	15	31	31	29	31	2	30

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 258

THE MEAN STAGE FOR THE YEAR WAS 5.49.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 18.76 AT 5:30 A.M. ON MAY 3.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 1.15 ON OCT 7.

## DAILY STAGE FOR 1993

BAYOU PLAQUEMINE BRULE AT ESTERWOOD, LA.

LOCATION. LAT. 30-11-52, LONG. 92-27-48. ON INTAKE PIPE SUPPORT AT ESTERWOOD PUMPING PLANT.  
(STA. 7030016.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. AUG. 24, 1947, TO DATE.

EXTREMES. HIGHEST, 20.55 FEET (FROM WATERMARK) IN AUG. 1940. LOWEST, MINUS 2.1 FEET ON JULY 13, 1951 AND (FROM INCOMPLETE RECORD) ON MAY 31, 1978.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3.5	4.4	3.9	3.6	3.9	3.4	5.3	3.2	3.0	2.8	2.9	3.7
2	3.5	4.3	5.4	3.4	4.9	3.3	4.9	3.1	3.0	2.8	3.5	3.6
3	3.6	4.0	6.7	3.5	5.9	3.4	4.7	3.1	3.0	2.8	3.7	3.7
4	3.7	3.9	6.8	5.0	6.2	3.4	4.4	3.1	2.9	2.7	3.6	3.8
5	3.6	4.0	5.9	6.5	5.5	3.4	4.3	3.0	2.9	2.8	3.7	3.7
6	3.6	3.8	5.2	6.6	5.5	3.3	4.2	3.3	2.9	2.7	3.6	3.7
7	3.6	3.8	4.9	6.1	5.5	3.5	4.1	3.1	2.8	2.7	3.3	3.7
8	7.2	3.7	4.5	8.1	5.3	3.3	4.0	3.2	2.9	2.7	3.2	3.6
9	7.5	3.7	4.3	9.5	5.1	3.5	3.8	3.2	2.9	2.8	3.2	3.7
10	7.6	3.8	4.1	10.0	4.9	3.4	3.8	3.3	2.9	2.7	3.6	3.7
11	7.5	3.9	3.9	9.9	4.6	3.4	3.9	3.3	2.8	2.7	3.7	4.8
12	7.3	4.0	3.6	9.3	4.6	3.3	3.8	3.2	2.8	2.7	3.7	4.0
13	6.9	3.7	3.5	8.0	4.3	3.3	3.8	3.1	2.9	2.8	3.7	3.9
14	6.5	3.5	3.5	6.9	4.0	3.4	3.7	3.2	3.0	2.8	3.9	4.8
15	5.3	3.7	3.5	6.9	3.9	3.3	3.8	3.1	2.8	2.8	6.0	4.4
16	4.9	3.9	3.7	6.5	3.8	3.4	3.7	3.1	2.9	2.8	8.8	3.9
17	4.7	3.6	3.5	5.7	3.6	3.3	4.0	3.1	2.8	2.8	9.0	3.9
18	4.5	3.4	4.3	5.4	3.6	3.4	3.9	3.0	2.8	2.8	8.5	3.9
19	4.4	3.3	4.0	5.1	3.6	3.4	3.9	3.0	2.8	2.8	7.6	3.8
20	6.7	3.4	4.0	5.0	3.5	4.1	3.9	2.9	2.9	2.9	6.2	3.8
21	9.8	3.8	3.9	4.7	3.5	5.5	3.8	3.0	2.8	3.0	5.3	3.7
22	10.4	3.5	3.8	4.5	3.4	8.0	3.7	3.1	2.9	2.8	4.9	3.9
23	10.3	3.4	3.8	4.4	3.6	8.1	3.5	3.1	2.8	2.8	4.8	3.7
24		3.5	3.7	4.3	3.7	7.6	3.5	3.0	2.8	2.8	4.5	3.6
25	7.5	3.5	3.7	4.3	3.7	7.5	3.5	3.0	2.9	2.8	4.4	3.4
26	6.8	7.4	3.9	4.1	3.5	7.6	3.4	3.1	2.9	2.9	3.9	3.1
27	5.7	5.4	3.9	4.0	3.4	7.3	3.3	3.0	2.7	2.8	3.7	3.0
28	5.1	3.9	3.7	3.9	3.4	7.0	3.2	3.1	2.8	2.9	3.8	3.7
29	5.0	-----	3.8	4.0	3.5	6.8	3.2	3.0	2.8	2.9	3.7	3.3
30	4.8	-----	3.7	4.0	3.5	5.9	3.3	3.1	2.7	4.7	3.7	3.2
31	4.5	-----	3.8	-----	3.6	-----	3.2	3.1	-----	3.9	-----	3.0

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	6.0	3.9	4.3	5.8	4.2	4.6	3.9	3.1	2.9	2.9	4.6	3.7
MAX	10.4	7.4	6.8	10.0	6.2	8.1	5.3	3.3	3.0	4.7	9.0	4.8
MIN	3.5	3.3	3.5	3.4	3.4	3.3	3.2	2.9	2.7	2.7	2.9	3.0
DAYS	30	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 4.2.

HIGHEST STAGE WAS 10.4 AT 8:00 A.M. ON JAN 22.

LOWEST STAGE WAS 2.7 ON SEP 27 AND LATER DATE(S).

## DAILY STAGE FOR 1993

## MERMENTAU RIVER AT MERMENTAU, LA.

LOCATION. LAT. 30-11-21, LONG. 92-35-26. ON SOUTHERN PACIFIC RAILROAD BRIDGE. (STA. 7037516.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U.S. GEOLOGICAL SURVEY SINCE JAN. 1985. STAGES FROM JAN. 1 THRU FEB. 17, 1974 WERE OBTAINED FROM THE NATIONAL WEATHER SERVICE, FEB. 17, 1974 THRU DEC. 31, 1984 FROM THE U.S. ARMY CORPS OF ENGINEERS. PRIOR TO 1985 GAGE WAS AT M.L.G. FROM 1985 TO 1987 GAGE ZERO WAS 0.58 FEET N.G.V.D. (1952 ADJ.)

RECORDS AVAILABLE. AUG. 28, 1941, TO DATE.

EXTREMES. HIGHEST, 14.3 FEET (FROM WATERMARK) IN AUG. 1940. LOWEST, MINUS 0.70 FOOT ON JULY 13, 1951. EXTREMES HAVE BEEN ADJUSTED TO PRESENT DATUM.

## MEAN DAILY STAGE IN FEET

GAGE ZERO IS AT MINUS 0.54 NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.63	2.66	2.25	1.77	2.50	1.67	3.39	1.53	1.41	1.23	1.85	2.03
2	1.65	2.50	2.85	1.64	2.72	1.82	3.11	1.53	1.43	1.22	1.90	2.03
3	1.77	2.42	3.19	1.75	2.99	1.90	2.90	1.55	1.41	1.08	1.91	2.07
4	1.84	2.34	3.33	2.46	3.21	1.86	2.79	1.55	1.33	1.08	1.95	2.06
5	1.60	2.31	3.33	2.83	3.46	1.77	2.71	1.57	1.35	1.07	1.95	1.90
6	1.64	2.15	3.14	2.92	3.58	1.78	2.56	1.59	1.34	1.08	1.57	1.82
7	2.13	2.09	2.98	3.22	3.57	1.84	2.44	1.52	1.26	1.11	1.61	1.78
8	3.00	2.05	2.76	4.64	3.44	1.87	2.25	1.53	1.29	1.16	1.69	1.79
9	3.29	2.00	2.59	5.57	3.32	1.81	2.13	1.58	1.29	1.07	1.88	1.83
10	3.53	2.01	2.44	5.92	3.12	1.66	2.11	1.57	1.22	0.91	1.93	1.94
11	3.72	2.19	2.17	6.05	2.87	1.55	2.11	1.59	1.23	0.99	1.99	2.00
12	3.96	2.08	1.76	5.92	2.74	1.57	2.06	1.59	1.26	1.08	2.07	1.99
13	3.88	1.96	1.67	5.44	2.47	1.57	2.04	1.57	1.41	1.23	2.10	2.23
14		1.91	1.80	4.89	2.25	1.49	2.04	1.54	1.48	1.17	2.24	2.29
15		2.11	1.91	4.65	2.17	1.46	2.10	1.53	1.05	1.20	2.86	2.13
16	3.10	2.02	2.23	4.22	2.10	1.51	2.14	1.48	1.04	1.23	3.76	2.07
17	2.95	1.77	2.31	3.84	2.02	1.49	2.18	1.42	1.10	1.28	4.14	2.04
18	2.86		2.22	3.60	2.02	1.57	2.15	1.39	1.16	1.30	4.22	1.96
19			2.27	3.52	1.89	1.75	2.11	1.39	1.20	1.35	4.22	1.87
20		1.99	2.31	3.33	1.88	2.20	2.07	1.40	1.18	1.34	3.88	1.88
21	4.75	2.08	2.18	2.95	1.88	3.03	1.99	1.46	1.19	1.17	3.48	1.64
22	5.13	1.77	2.16	2.79	1.94	3.96	1.93	1.47	1.22	1.05	3.22	1.61
23	5.33	1.77	2.11	2.80	2.03	4.14	1.85	1.52	1.22	1.19	3.03	1.54
24	5.33	1.83	2.05	2.82	2.09	4.20	1.77	1.46	1.19	1.27	2.85	1.55
25	5.00	2.08	2.09	2.67	1.88	4.18	1.71	1.40	1.24	1.31	2.63	1.49
26	4.41	2.26	2.08	2.39	1.78	4.22	1.63	1.36	1.18	1.29	2.31	1.46
27	3.87	2.20	2.06	2.35	1.86	4.25	1.63	1.51	0.99	1.21	2.11	1.48
28	3.52	2.14	2.04	2.38	1.90	4.22	1.61	1.49	1.13	1.33	2.19	1.49
29	3.22	-----	2.05	2.45	1.89	4.07	1.59	1.50	1.13	1.51	2.11	1.26
30	2.92	-----	2.12	2.42	1.91	3.75	1.56	1.49	1.15	1.67	2.06	1.31
31	2.80	-----	2.03	-----	1.82	-----	1.53	1.46	-----	1.71	-----	1.47

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	3.29	2.10	2.34	3.47	2.43	2.47	2.14	1.50	1.24	1.22	2.52	1.81
MAX	5.33	2.66	3.33	6.05	3.58	4.25	3.39	1.59	1.48	1.71	4.22	2.29
MIN	1.60	1.77	1.67	1.64	1.78	1.46	1.53	1.36	0.99	0.91	1.57	1.26
DAYS	27	26	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 359  
 THE MEAN STAGE FOR THE YEAR WAS 2.20.  
 HIGHEST STAGE WAS 6.08 AT 4:00 P.M. ON APR 11.  
 LOWEST STAGE WAS 0.78 ON SEP 27.



## DAILY STAGE FOR 1993

## MERMENTAU RIVER AT LAKE ARTHUR, LA.

LOCATION. LAT. 30-04-18, LONG. 92-38-55. ON WALK LEADING TO MAGNOLIA OIL CO. WHARF, 1.1 MILES UPSTREAM FROM HIGHWAY 14 BRIDGE. (STA. 7052516.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U.S. GEOLOGICAL SURVEY SINCE JAN. 1985. PRIOR TO 1985 GAGE READ AND MAINTAINED BY U.S. ARMY CORPS OF ENGINEERS. PRIOR TO 1985 GAGE ZERO WAS AT M.L.G.

RECORDS AVAILABLE. INTERMITTENTLY, 1952 TO 1955. DAILY, MAR. 30, 1956, TO DATE.

EXTREMES. HIGHEST, 8.5 FEET ON MAY 20, 1980. LOWEST, 0.83 FOOT ON JUNE 17, 1963. EXTREMES HAVE BEEN ADJUSTED TO PRESENT DATUM.

## MEAN DAILY STAGE IN FEET

GAGE ZERO, MINUS 1.78 NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.98	3.98	3.53	3.09	3.81	3.04	4.56	2.90	2.80	2.62	3.23	3.42
2	3.00	3.84	3.93	2.99	3.92	3.17	4.35	2.90	2.82	2.61	3.28	3.43
3	3.11	3.76	4.12	3.10	4.06	3.25	4.18	2.92	2.80	2.48	3.28	3.47
4	3.17	3.68	4.18	3.63	4.17	3.22	4.11	2.92	2.73	2.48	3.31	3.44
5	2.94	3.64	4.15	3.87	4.31	3.13	4.06	2.94	2.74	2.46	3.31	3.29
6	2.98	3.49	4.05	3.97	4.39	3.14	3.92	2.96	2.74	2.48	2.96	3.21
7	3.32	3.43	3.97	4.27	4.40	3.20	3.79	2.89	2.67	2.50	3.01	3.18
8	3.93	3.38	3.83	5.18	4.42	3.23	3.62	2.90	2.68	2.55	3.08	3.19
9	4.16	3.34	3.73	5.64	4.43	3.17	3.50	2.94	2.68	2.47	3.27	3.23
10	4.33	3.35	3.63	5.86	4.27	3.03	3.48	2.94	2.61	2.31	3.32	3.28
11	4.48	3.50	3.40	5.98	4.09	2.92	3.48	2.96	2.63	2.39	3.38	3.31
12	4.69	3.38	2.98	5.95	4.00	2.93	3.42	2.96	2.65	2.46	3.45	3.36
13	4.64	3.29	2.97	5.78	3.74	2.92	3.40	2.94	2.79	2.61	3.48	3.56
14	4.52	3.25	3.13	5.63	3.58	2.86	3.39	2.92	2.86	2.57	3.59	3.52
15	4.36	3.45	3.25	5.43	3.52	2.82	3.46	2.90	2.46	2.59	4.04	3.40
16	4.24	3.31	3.52	5.15	3.45	2.88	3.49	2.86	2.44	2.62	4.71	3.41
17	4.15	3.10	3.49	4.92	3.37	2.86	3.53	2.80	2.50	2.67	4.95	3.39
18	4.09	3.04	3.50	4.76	3.36	2.94	3.50	2.77	2.55	2.69	5.03	3.32
19	3.97	3.18	3.58	4.75	3.25	3.10	3.48	2.77	2.58	2.74	5.05	3.27
20	4.56	3.31	3.61	4.55	3.23	3.48	3.44	2.78	2.57	2.74	4.82	3.27
21	5.21	3.39	3.49	4.21	3.23	4.00	3.35	2.84	2.58	2.57	4.61	3.05
22	5.47	3.12	3.49	4.11	3.29	4.64	3.29	2.85	2.61	2.45	4.44	3.01
23	5.61	3.12	3.43	4.13	3.38	4.85	3.22	2.90	2.61	2.59	4.30	2.93
24	5.55	3.19	3.38	4.15	3.44	4.94	3.13	2.85	2.58	2.67	4.16	2.94
25	5.42	3.40	3.41	4.00	3.25	4.97	3.07	2.79	2.63	2.71	3.98	2.88
26	5.15	3.45	3.33	3.74	3.15	4.99	3.01	2.76	2.58	2.69	3.68	2.85
27	4.88	3.42	3.35	3.70	3.21	5.04	3.01	2.89	2.39	2.62	3.51	2.88
28	4.66	3.43	3.35	3.73	3.26	5.04	2.99	2.87	2.52	2.71	3.56	2.89
29	4.42	-----	3.35	3.79	3.25	4.96	2.96	2.88	2.53	2.89	3.49	2.67
30	4.19	-----	3.43	3.75	3.27	4.79	2.93	2.88	2.54	2.92	3.44	2.72
31	4.11	-----	3.32	-----	3.18	-----	2.90	2.84	-----	3.05	-----	2.87

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	4.27	3.40	3.54	4.46	3.67	3.65	3.48	2.88	2.63	2.61	3.79	3.18
MAX	5.61	3.98	4.18	5.98	4.43	5.04	4.56	2.96	2.86	3.05	5.05	3.56
MIN	2.94	3.04	2.97	2.99	3.15	2.82	2.90	2.76	2.39	2.31	2.96	2.67
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 3.46.  
 HIGHEST STAGE WAS 6.01 AT 2:45 P.M. ON APR 11.  
 LOWEST STAGE WAS 2.23 ON SEP 27.

## DAILY STAGE FOR 1993

## MERMENTAU RIVER AT LACASSINE REFUGE (LA.)

LOCATION. LAT. 30-00-09, LONG. 92-46-52. ON DOCK AT LACASSINE WILDLIFE REFUGE HEADQUARTERS.  
(STA. 7060016.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JUNE 25, 1947, TO DATE. ADD 0.6 TO DAILY STAGES PRIOR TO 1951.

EXTREMES. HIGHEST, 6.50 FEET (CAUSED BY HURRICANE) ON NOV. 04, 1985. LOWEST, (FROM INCOMPLETE RECORD) MINUS 0.47 FOOT ON JUNE 10, AND LATER DATES IN 1951.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3.00	3.88	3.37	3.01	3.65	3.00	4.28	2.77	2.67	2.53	3.12	3.36
2	2.95	3.78	3.64	2.94	3.60	3.08	4.12	2.77	2.64	2.54	3.23	3.36
3	3.04	3.71	3.73	3.11	3.73	3.13	3.99	2.80	2.66	2.39	3.17	3.41
4	3.16	3.64	3.72	3.47	3.79	3.09	3.93	2.82	2.59	2.40	3.19	3.32
5	2.94	3.59	3.72	3.53	4.04	3.01	3.93	2.74	2.64	2.40	3.21	3.20
6	2.97	3.41	3.71	3.65	4.03	3.02	3.80	2.81	2.61	2.38	2.94	3.12
7	3.02	3.33	3.66	3.83	4.04	3.12	3.71	2.75	2.61	2.37	2.92	3.10
8	3.63	3.30	3.61	4.59	4.15	3.14	3.54	2.78	2.57	2.47	3.04	3.10
9	3.86	3.26	3.54	4.63	4.19	3.13	3.39	2.82	2.56	2.38	3.19	3.14
10	3.98	3.27	3.52	4.81	4.04	2.91	3.47	2.79	2.52	2.22	3.22	3.16
11	4.03	3.35	3.32	4.92	3.90	2.81	3.37	2.83	2.57	2.33	3.28	3.20
12	4.21	3.19	3.10	4.95	3.79	2.81	3.30	2.84	2.56	2.34	3.38	3.27
13	4.12	3.20	2.75	4.95	3.57	2.81	3.28	2.80	2.75	2.45	3.35	3.48
14	4.16	3.17	3.03	4.92	3.52	2.79	3.27	2.77	2.79	2.46	3.45	3.31
15	4.10	3.27	3.20	4.81	3.42	2.72	3.31	2.74	2.46	2.47	3.85	3.20
16	4.03	3.24	3.39	4.71	3.36	2.77	3.36	2.69	2.38	2.46	4.20	3.31
17	3.97	3.09	3.43	4.56	3.26	2.83	3.38	2.63	2.42	2.53	4.41	3.28
18	3.95	2.98	3.42	4.47	3.25	2.87	3.38	2.60	2.47	2.54	4.47	3.23
19	3.88	3.09	3.48	4.47	3.18	3.11	3.35	2.62	2.51	2.62	4.50	3.18
20	4.20	3.15	3.62	4.33	3.17	3.32	3.30	2.57	2.47	2.63	4.34	3.22
21	4.53	3.22	3.44	4.04	3.23	3.61	3.23	2.68	2.47	2.58	4.29	2.96
22	4.68	3.08	3.46	3.94	3.25	3.98	3.14	2.71	2.49	2.42	4.18	2.92
23	4.79	3.06	3.37	3.93	3.30	4.20	3.10	2.75	2.50	2.49	4.09	2.87
24	4.59	3.13	3.31	3.89	3.38	4.32	3.02	2.68	2.47	2.58	4.01	2.85
25	4.70	3.23	3.32	3.85	3.19	4.41	2.95	2.66	2.49	2.58	3.84	2.75
26	4.55	3.28	3.25	3.66	3.10	4.41	2.92	2.63	2.46	2.60	3.61	2.69
27	4.49	3.27	3.27	3.60	3.16	4.47	2.90	2.80	2.30	2.49	3.39	2.79
28	4.41	3.28	3.26	3.57	3.18	4.50	2.89	2.75	2.43	2.56	3.43	2.77
29	4.28	-----	3.26	3.65	3.18	4.49	2.85	2.73	2.44	2.67	3.40	2.68
30	4.08	-----	3.31	3.59	3.17	4.42	2.83	2.73	2.47	2.61	3.38	2.67
31	4.00	-----	3.14	-----	3.12	-----	2.80	2.70	-----	2.87	-----	2.83

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	3.95	3.30	3.40	4.08	3.52	3.41	3.36	2.73	2.53	2.50	3.60	3.09
MAX	4.79	3.88	3.73	4.95	4.19	4.50	4.28	2.84	2.79	2.87	4.50	3.48
MIN	2.94	2.98	2.75	2.94	3.10	2.72	2.80	2.57	2.30	2.22	2.92	2.67
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 3.29.

HIGHEST STAGE WAS 5.37 AT 3:00 P.M. ON APR 14.

LOWEST STAGE WAS 2.19 ON OCT 9.



## DAILY STAGE FOR 1993

## MERMENTAU RIVER AT CATFISH POINT CONTROL STRUCTURE (LA.) (NORTH)

LOCATION. LAT. 29-51-48, LONG. 92-51-00. ON NORTHWEST FENDER OF STRUCTURE. (STA. 7067517.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. APR. 27, 1951, TO DATE.

EXTREMES. HIGHEST, 8.3 FEET (CAUSED BY HURRICANE) ON JUNE 27, 1957. LOWEST, MINUS 0.80 FOOT ON DEC. 26, 1975.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1951 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.90	3.60	3.15	2.71	3.31	2.90	3.89	2.50	2.43	2.21	2.85	3.07
2	2.80	3.60	3.21	2.70	3.20	2.80	3.79	2.45	2.42	2.20	3.04	3.03
3	2.80	3.50	3.40	2.81	3.42	2.70	3.69	2.46	2.40	2.16	3.89	3.09
4	2.85	3.46	3.32	3.50	3.43	2.70	3.54	2.50	2.41	2.18	2.85	2.85
5	2.81	3.30	3.39	3.20	3.70	2.75	3.50	2.51	2.53	2.11	2.83	2.83
6	2.79	3.24	3.29	3.40	3.70	2.69	3.45	2.49	2.50	2.16	2.75	2.82
7	2.80	3.15	3.28	3.49	3.65	2.60	3.37	2.50	2.40	2.15	2.70	2.83
8	3.22	3.09	3.21	4.08	3.70	2.80	3.22	2.51	2.38	2.27	2.80	2.77
9	3.56	3.08	3.18	4.10	3.79	2.65	3.16	2.55	2.30	2.10	2.86	2.73
10	3.70	3.12	3.19	4.21	3.65	2.60	3.00	2.58	2.20	2.15	2.90	2.79
11	3.77	3.15	3.29	4.29	3.57	2.60	3.01	2.60	2.40	2.10	2.92	2.85
12	3.82	3.00	3.80	4.30	3.41	2.53	2.96	2.60	2.20	2.15	3.00	2.80
13	3.87	3.02	2.69	4.31	3.22	2.60	2.91	2.55	2.20	2.20	2.99	3.00
14	3.85	2.98	2.80	4.38	3.30	2.58	2.92	2.51	2.25	2.29	3.02	2.80
15	3.91	3.00	2.95	4.23	3.10	2.55	3.00	2.50	2.25	2.21	3.55	2.85
16	3.77	3.01	3.21	4.30	3.00	2.60	3.10	2.50	2.19	2.20	3.79	3.00
17	3.70	3.04	3.31	4.20	2.91	2.70	3.10	2.45	2.20	2.20	3.92	3.02
18	3.69	2.90	3.19	4.12	2.90	2.75	3.10	2.40	2.20	2.20	4.00	2.97
19	3.65	2.90	3.15	4.00	3.01	2.82	3.05	2.40	2.21	2.29	3.99	3.00
20	3.60	2.87	3.30	4.00	3.04	3.10	3.02	2.39	2.19	2.30	4.01	2.90
21	4.01	2.85	3.28	4.00	3.10	3.20	2.99	2.45	2.20	2.40	3.90	2.78
22	4.13	2.95	3.12	3.70	3.00	3.48	2.84	2.40	2.18	2.42	3.80	2.75
23	4.22	2.95	3.10	3.61	3.00	3.60	2.80	2.49	2.15	2.40	3.70	2.54
24	4.29	3.01	3.10	3.60	2.95	3.80	2.70	2.41	2.10	2.42	3.61	2.63
25	4.54	2.99	3.02	3.60	2.98	3.89	2.65	2.45	2.07	2.30	3.48	2.30
26	4.23	3.08	3.05	3.53	3.00	3.92	2.60	2.58	2.05	2.35	3.37	2.34
27	4.15	3.11	3.01	3.50	3.00	4.02	2.62	2.60	2.30	2.27	3.20	2.39
28	4.15	3.20	3.00	3.40	3.00	4.00	2.63	2.50	2.20	2.34	3.00	2.40
29	4.06	-----	2.98	3.39	3.00	3.99	2.60	2.50	2.21	2.36	3.00	2.50
30	4.00	-----	2.98	3.28	2.90	3.91	2.61	2.50	2.26	2.87	3.01	2.50
31	3.84	-----	2.78	-----	2.89	-----	2.54	2.49	-----	2.53	-----	2.51

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	3.66	3.11	3.15	3.72	3.22	3.06	3.04	2.49	2.26	2.27	3.29	2.77
MAX	4.54	3.60	3.80	4.38	3.79	4.02	3.89	2.60	2.53	2.87	4.01	3.09
MIN	2.79	2.85	2.69	2.70	2.89	2.53	2.54	2.39	2.05	2.10	2.70	2.30
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 3.00.

HIGHEST STAGE WAS 4.89 AT 7:00 A.M. ON APR 14.

LOWEST STAGE WAS 1.80 ON SEP 26.

## DAILY STAGE FOR 1993

MERMENTAU RIVER AT CATFISH POINT CONTROL STRUCTURE (LA.) (SOUTH AUTO.)

LOCATION. LAT. 29-51-46, LONG. 92-51-01. ON LOCKWALL AT SOUTHWEST END OF STRUCTURE.  
(STA. 7075017.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JUNE 15, 1949, TO DATE. SUBTRACT 0.2 FROM DAILY STAGES PRIOR TO 1951.

EXTREMES. HIGHEST, 8.3 FEET (CAUSED BY HURRICANE) ON JUNE 27, 1957. LOWEST, MINUS 1.56 FEET ON JULY 6, 1971.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1951 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.84	3.51	3.05	2.55	3.35	2.70	3.81	2.90	2.93	3.08	2.80	3.09
2	2.70	3.59	3.05	2.52	3.65	2.95	3.76	3.05	3.10	2.99	3.10	3.03
3	2.64	3.51	3.25	2.68	3.40	3.30	3.61	3.13	3.05	2.40	2.89	3.50
4	2.72	3.34	3.18	3.06	3.40	3.52	3.90	3.05	2.46	3.11	2.90	3.30
5	2.68	3.21	3.15	3.15	4.05	3.45	3.80	2.95	2.88	3.12	2.91	2.91
6	2.70	3.15	3.10	3.30	3.99	3.21	3.50	3.00	3.00	3.35	2.75	2.70
7	2.73	3.03	3.11	3.85	4.05	3.20	3.35	3.01	2.83	3.40	2.72	2.69
8	3.20	3.02	3.10	4.30	3.96	3.55	3.23	2.80	3.40	3.89	2.82	2.73
9	3.43	3.02	3.06	4.00	4.05	3.65	3.13	2.60	3.20	3.70	2.83	2.71
10	3.70	3.33	3.10	4.00	3.60	3.30	3.02	2.65	2.95	3.00	2.90	2.71
11	3.75	3.90	3.27	4.10	3.35	2.99	3.00	2.44	2.79	3.00	2.93	2.80
12	3.80	2.85	3.60	4.15	3.32	2.62	2.89	2.62	3.10	3.06	3.02	2.89
13	3.70	2.89	2.41	4.20	3.10	2.74	3.00	2.81	3.51	3.21	3.05	3.60
14	3.87	2.80	2.61	4.30	3.15	2.75	2.97	2.47	4.00	2.88	3.09	2.70
15	3.84	2.85	2.80	4.20	3.01	2.75	3.08	2.59	2.52	2.63	3.50	2.88
16	3.67	2.70	3.11	4.15	2.97	3.30	3.11	2.87	2.70	2.60	3.82	3.04
17	3.60	2.80	3.09	4.12	2.84	3.84	3.18	2.65	2.70	2.90	3.88	3.09
18	3.61	2.60	3.09	4.15	3.10	4.20	3.30	2.78	2.94	3.80	3.99	3.00
19	3.50	2.80	3.11	4.00	2.90	4.35	3.50	2.65	3.40	4.00	3.99	2.98
20	3.88	2.79	3.19	3.91	3.01	4.70	3.69	3.10	3.83	4.20	3.98	2.98
21	3.99	3.00	3.19	3.90	3.40	4.15	3.25	3.03	3.70	3.70	3.89	2.69
22	4.11	2.89	3.18	3.69	3.70	4.08	3.67	2.95	3.65	2.50	3.75	2.79
23	4.10	2.88	3.02	3.62	4.02	4.00	3.18	2.73	3.35	2.90	3.69	2.53
24	4.15	3.08	3.01	3.90	3.90	4.00	3.02	2.57	3.29	3.15	3.60	2.53
25	4.31	3.87	3.36	3.62	3.60	3.90	2.65	2.40	3.21	3.25	3.51	2.22
26	4.11	2.98	3.00	3.47	3.00	3.89	2.61	2.90	3.35	3.14	3.32	2.32
27	4.03	3.00	2.95	3.42	3.01	3.91	2.64	3.71	2.82	2.42	3.18	2.38
28	4.05	3.10	2.97	3.40	3.00	3.95	2.80	3.00	2.40	2.32	2.98	2.39
29	3.95	-----	2.91	3.35	3.00	3.91	2.60	3.05	2.51	3.00	3.02	2.40
30	3.89	-----	2.95	3.20	2.87	3.88	2.95	3.19	2.79	1.30	3.00	2.51
31	3.66	-----	2.60	-----	2.80	-----	2.85	3.07	-----	2.30	-----	2.52

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	3.58	3.09	3.12	3.68	3.37	3.56	3.20	2.86	3.06	3.04	3.26	2.79
MAX	4.31	3.90	4.15	4.30	4.05	4.70	3.90	3.71	4.00	4.20	3.99	3.60
MIN	2.64	2.60	2.41	2.52	2.80	2.62	2.60	2.40	2.30	1.30	2.72	2.22
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 3.22.

HIGHEST STAGE WAS 5.10 AT 5:00 P.M. ON APR 14

LOWEST STAGE WAS NOT DETERMINED.

## DAILY STAGE FOR 1993

## MERMENTAU RIVER AT CATFISH POINT CONTROL STRUCTURE (LA.) (SOUTH STAFF)

LOCATION. LAT. 29-51-46, LONG. 92-51-01. IN BOATHOUSE AT SOUTHWEST END OF STRUCTURE. (STA. 7082517.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. APR. 27, 1951, TO DATE.

EXTREMES. HIGHEST, 8.30 FEET (FROM HIGHWATER MARK) ON JUN. 27, 1957. LOWEST, MINUS 1.50 FEET ON DEC. 19, 1954.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1951 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.85	3.50	3.00	2.55	3.20	2.85	3.90	3.00	2.70	3.60	2.80	3.20
2	2.70	3.45	3.10	2.50	3.45	3.35	3.80	3.25	3.00	3.30	3.10	3.05
3	2.80	3.50	3.20	2.75	3.40	3.80	3.70	3.05	3.00	2.80	2.90	3.45
4	2.75	3.35	3.20	3.20	3.40	3.70	3.80	2.95	2.40	3.10	2.90	3.70
5	2.70	3.30	3.15	3.15	3.90	3.45	3.55	3.20	2.90	3.10	3.15	2.90
6	2.70	3.20	3.10	3.30	3.90	3.05	3.50	2.90	3.00	3.35	2.80	2.70
7	2.75	3.20	3.10	3.85	4.00	3.20	3.30	2.90	2.95	3.35	2.70	2.80
8	3.50	3.00	3.10	4.30	4.00	3.10	3.20	2.80	3.30	3.80	2.80	2.70
9	3.45	3.00	3.10	4.00	3.80	3.30	3.10	2.60	3.20	3.80	2.85	2.70
10	3.70	3.40	3.20	4.00	3.70	2.65	3.05	2.60	2.90	2.80	2.90	2.60
11	3.70	3.20	3.05	4.10	3.45	2.60	3.00	2.70	2.80	3.00	3.00	2.85
12	3.80	2.85	3.30	4.15	3.30	2.60	3.00	3.00	3.20	3.10	3.00	2.90
13	3.75	2.85	2.35	4.20	3.10	2.60	3.15	3.15	3.75	3.15	3.00	3.60
14	3.80	2.80	2.55	4.30	3.20	2.80	3.00	3.15	4.40	3.10	3.00	2.75
15	3.80	2.85	2.75	4.30	3.05	2.65	3.20	3.10	2.85	2.75	3.50	2.85
16	3.65	2.70	3.10	4.15	3.00	3.50	3.70	3.00	3.30	3.40	3.90	3.00
17	3.60	3.00	3.05	4.15	2.85	3.70	3.60	3.00	3.40	3.20	3.90	3.05
18	3.60	2.65	3.10	4.15	3.70	4.10	3.60	3.10	3.60	3.80	3.95	3.00
19	3.55	2.80	3.10	4.00	3.30	4.10	3.50	3.00	3.90	3.75	3.95	2.90
20	3.80	2.80	3.10	3.95	3.25	4.65	3.45	2.90	3.85	4.20	3.90	2.90
21	4.00	3.10	3.20	3.90	3.55	4.10	3.00	3.35	3.80	3.70	3.90	2.65
22	4.00	2.90	3.10	3.70	3.80	3.85	3.15	2.85	3.90	2.50	3.75	2.65
23	4.10	2.90	3.05	3.60	3.80	3.75	2.85	2.70	3.50	2.90	3.65	2.50
24	4.15	3.30	3.00	3.65	3.90	3.80	2.70	2.50	3.10	3.10	3.60	2.55
25	4.40	3.80	3.40	3.55	3.05	3.80	2.60	2.40	3.60	3.20	3.45	2.20
26	4.10	3.00	3.00	3.50	2.90	3.80	2.60	3.15	3.70	3.15	3.40	2.30
27	4.05	2.95	2.95	3.40	2.90	3.85	2.80	3.70	2.80	2.65	3.20	2.35
28	4.00	3.00	3.00	3.30	2.90	3.95	3.20	2.90	3.10	2.40	3.00	2.40
29	4.00	-----	2.90	3.30	2.85	3.90	3.10	3.00	2.80	3.00	3.00	2.40
30	3.95	-----	2.90	3.20	2.80	3.95	3.20	3.20	3.20	1.30	3.20	2.50
31	3.75	-----	2.60	-----	2.70	-----	3.30	2.90	-----	2.30	-----	2.60

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	3.60	3.08	3.03	3.67	3.36	3.48	3.25	2.97	3.26	3.12	3.27	2.80
MAX	4.40	3.80	3.40	4.30	4.00	4.65	3.90	3.70	4.40	4.20	3.95	3.70
MIN	2.70	2.65	2.35	2.50	2.70	2.60	2.60	2.40	2.40	1.30	2.70	2.20
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 3.24.

HIGHEST STAGE WAS 4.65 ON JUN 20.

LOWEST STAGE WAS 1.30 ON OCT 30.

## DAILY STAGE FOR 1993

MERMENTAU RIVER AT GRAND CHENIERE, LA.

LOCATION. LAT. 29-46-08, LONG. 92-59-24. ON HIGHWAY 82 BRIDGE. (STA. 7090017.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. OCT. 15, 1943, TO JULY 12, 1954, AND APR. 13, 1956, TO DATE. DISREGARD GAGE ZERO REPORTED PRIOR TO 1951, PRESENT ZERO IS CORRECT FOR ALL PERIODS.

EXTREMES. HIGHEST, 13.0 FEET (CAUSED BY HURRICANE) ON JUNE 27, 1957. LOWEST, MINUS 2.39 FEET ON FEB. 28, 1984.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1951 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.39	2.72	3.40	1.10	3.85	2.93	3.30	2.59	2.02	2.63	1.99	3.20
2	2.99	3.36	2.91	1.05	2.30	3.35	3.20	2.85	2.40	2.36	2.60	3.10
3	3.31	3.67	2.65	1.65	2.80	3.29	3.10	2.72	2.45	2.15	2.60	3.01
4	3.40	4.19	1.21	1.20	3.27	F	3.70	2.71	2.15	2.10	2.77	1.75
5	2.75	4.00	0.52	1.51	3.66		3.55	2.59	2.45	2.16	2.99	2.75
6	2.90	3.45	0.66	2.45	3.37		3.45	2.83	2.52	2.70	1.95	2.35
7	2.86	3.34	0.90	3.73	3.65		3.15	2.70	2.80	3.30	2.50	2.76
8	1.98	2.50	1.20	4.75	4.26		2.80	2.30	3.03	4.03	2.80	2.90
9	2.36	2.20	1.48	3.55	4.40		3.05	2.60	3.05	3.81	2.60	3.00
10	1.40	2.80	1.62	3.10	4.29		3.19	2.80	2.94	3.31	2.14	3.15
11	1.57	3.85	2.75	3.30	3.67		2.99	2.84	3.05	2.89	1.83	2.90
12	2.00	2.48	3.15	2.55	3.55		3.20	3.19	3.35	2.90	2.09	4.07
13	1.65	2.70	-0.25	2.40	3.10		3.25	3.33	3.54	2.76	1.84	3.65
14	2.90	2.40	2.45	2.49	2.95		3.10	3.06	4.05	2.25	2.40	1.75
15	3.60	2.20	2.70	1.70	2.90		3.16	2.74	2.71	1.99	2.26	2.94
16	3.39	1.50	3.75	1.82	3.00		3.05	2.23	1.95	1.72	3.15	3.14
17	3.48	1.20	1.54	2.19	2.93 F	3.60	2.95	1.93	1.90	2.05	1.89	3.30
18	3.52	0.75	2.50	2.81	3.05	3.75	3.05	2.14	1.84	3.05	2.60	3.09
19	2.84	1.30	2.05	3.19	2.30	4.65	3.20	2.25	2.15	3.20	2.75	3.85
20	2.80	1.45	2.14	3.34	3.25	5.00	3.29	2.03	2.38	3.56	2.44	3.86
21	2.29	2.60	1.85	2.40	3.27	4.25	3.10	2.31	2.49	3.52	3.00	2.09
22	1.98	1.94	2.15	3.15	3.62	4.00	3.35	2.70	3.65	2.56	2.98	2.20
23	2.10	2.45	2.40	3.65	4.15	3.69	3.05	2.47	3.54	3.10	3.10	2.09
24	1.80	2.90	2.17	4.10	4.47	4.09	3.10	2.80	3.39	3.32	3.05	1.85
25	2.59	3.65	2.72	3.70	3.90	3.95	2.85	2.62	3.50	3.09	2.90	0.80
26	2.35	2.62	2.65	2.89	3.65	3.85	2.70	3.15	3.53	2.76	2.15	1.16
27	2.39	3.50	3.15	2.75	4.15	3.68	2.90	3.20	1.65	2.16	2.69	0.85
28	2.50	3.35	3.15	4.30	4.20	3.60	3.00	2.90	2.41	1.94	2.80	0.80
29	2.60	-----	3.25	4.30	4.06	3.39	2.79	2.86	2.45	2.49	3.03	0.15
30	2.56	-----	3.20	3.89	3.90	3.30	2.73	2.55	2.35	-0.20	3.22	0.95
31	2.91	-----	2.05	-----	3.40	-----	2.55	2.48	-----	0.45	-----	1.15

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.59	2.68	2.20	2.83	3.53	3.79	3.09	2.66	2.72	2.58	2.57	2.41
MAX	3.60	4.19	3.70	4.75	4.47	5.00	3.70	3.33	4.05	4.03	3.22	4.07
MIN	1.40	0.75	-0.25	1.05	2.30	3.10	2.55	1.93	1.65	-0.20	1.83	0.15
DAYS	31	28	31	30	31	17	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 352

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 2.77.

HIGHEST STAGE WAS 5.31 AT 5:00 P.M. ON APR 14.

LOWEST STAGE WAS MINUS 1.64 ON MAR 13.

## DAILY STAGE FOR 1993

## CALCASIEU RIVER NEAR OBERLIN, LA.

LOCATION. LAT. 30-38-25, LONG. 92-48-50. STATE HIGHWAY 26 BRIDGE, THREE MILES NORTHWEST OF OBERLIN. (STA. 7305016.)

GAGE. AUTOMATIC RECORDER.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U. S. GEOLOGICAL SURVEY. DRAINAGE AREA, 753 SQUARE MILES.

RECORDS AVAILABLE. STAGE, AUG. 1922 TO JAN. 1925, AND SEP. 1938 TO DATE. STAGES ARE PUBLISHED BY CORPS OF ENGINEERS SINCE 1946. DAILY DISCHARGE IS COMPUTED AND PUBLISHED BY U.S. GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 26.53 FEET ON MAY 19, 1953. LOWEST, 1.18 FEET ON OCT. 26, 1988.

## MEAN DAILY STAGE IN FEET

GAGE ZERO, 39.43 FEET, NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	6.29	7.89	6.03	9.30	4.51	3.59	5.37		2.33	2.26	2.33	2.81
2	6.43	6.54	10.37	8.87	9.52	3.50	5.48		2.35	2.20	2.27	2.76
3	6.60	5.45	13.61	8.41	11.68	3.35	5.52		2.31	2.19	2.25	2.72
4	6.64	4.75	15.04	10.21	12.71	3.24	5.37		2.30		2.25	2.79
5	6.53	4.32	15.31	11.67	11.73	3.19	5.03		2.28		2.25	3.28
6	6.40	4.05	14.19	12.05	8.93	3.17	4.58		2.28		2.24	3.75
7	6.64	3.88	12.10	11.63	7.33	3.14	4.04		2.27		2.22	3.65
8	8.71	3.73	10.49	12.51	6.98	3.11	3.62		2.25		2.22	3.42
9	9.53	3.61	9.96	14.06	6.94	3.07	3.37		2.23		2.22	3.31
10	9.58	3.54	10.03	15.29	6.97	3.03	3.23		2.23		2.22	3.72
11	9.27	3.70	10.24	15.84	6.87	3.00	3.22	2.71	2.21		2.23	5.02
12	9.41	4.01	10.20	15.25	6.49	2.98	3.21	2.63	2.21	2.58	2.24	5.74
13	9.64	3.98	9.75	15.17	5.98	2.97	3.20	2.57	2.18	2.40	2.22	5.21
14	9.54	3.86	8.57	15.82	5.30	2.92	3.12	2.54	2.21		2.23	5.50
15	9.40	3.74	7.31	16.01	4.84	2.89	3.09	2.51	2.20	2.15	3.56	5.89
16	9.24	4.45	6.84	15.91	4.64	2.90	3.18	2.51	2.20	2.15	6.01	5.86
17	9.06	6.54	7.13	16.01	4.42	2.88	3.59	2.51	2.19	2.22	7.14	5.67
18	8.90	6.75	7.72	15.23	4.21	2.86	3.92	2.51	2.19	2.23	8.34	5.36
19	8.57	5.38	8.32	13.09	4.12	2.95	3.98	2.48	2.18	2.19	8.47	5.13
20	9.53	4.40	8.92	10.80	3.96	3.04	3.74	2.47	2.18	2.19	7.96	4.87
21	11.46	4.03	9.64	9.33	3.88	6.55	3.45	2.45	2.16	2.22	6.69	4.52
22	12.22	3.97	10.81	8.87	3.75	7.80	3.25	2.41	2.18	2.23	5.56	4.20
23	12.43	3.92	12.50	8.86	3.61	6.08	3.11	2.41	2.22	2.18	5.08	4.11
24	11.80	3.78	14.31	8.33	3.50	5.85	3.01	2.40	2.20	2.15	4.73	4.55
25	10.52	3.83	14.81	7.09	3.41	6.31	2.94	2.39	2.20	2.16	4.20	4.66
26	9.31	5.61	14.95	5.79	3.35	3.49	2.89	2.37	2.19	2.16	3.67	4.50
27	8.90	6.48	14.21	4.90	3.30	7.43	2.84	2.39	2.18	2.17	3.27	4.26
28	8.94	6.20	12.55	4.37	3.30	7.38	2.79	2.39	2.33	2.17	3.07	4.12
29	9.05	-----	11.17	4.04	3.36	6.76	2.75	2.36	2.38	2.26	2.94	4.00
30	9.02	-----	10.33	3.90	3.50	5.52		2.35	2.31	2.34	2.86	3.90
31	8.74	-----	9.75	-----	3.59	-----		2.34	-----	2.42	-----	3.77

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	8.98	4.73	10.88	10.95	5.70	4.16	3.69	2.46	2.24	2.24	3.83	4.29
MAX	12.43	7.89	15.31	16.01	12.71	7.80	5.52	2.71	2.38	2.58	8.47	5.89
MIN	6.29	3.54	6.03	3.90	3.30	2.86	2.75	2.34	2.16	2.15	2.22	2.72
DAYS	31	28	31	30	31	30	29	21	30	22	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 344

THE MEAN STAGE FOR THE YEAR WAS 5.53.

HIGHEST STAGE WAS 16.06 AT 1:00 P.M. ON APR 17.

LOWEST STAGE WAS 2.13 ON OCT 15 AND LATER DATE(S).



## DAILY STAGE FOR 1993

CALCASIEU RIVER SALT WATER BARRIER CHANNEL AT LAKE CHARLES, LA. (NAV. E.)

LOCATION. LAT. 30-15-13, LONG. 93-13-05. IN NAVIGATION CHANNEL ON EAST SIDE OF STRUCTURE. (STA. 7347221.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. STAGE, FEB. 1968 TO DATE.

EXTREMES. HIGHEST, 8.95 FEET ON DEC. 31, 1982. LOWEST, MINUS 0.75 FOOT ON FEB. 3, 1970.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.20	1.90	2.00	1.10	2.55	2.75	3.00 G	2.45 G	2.40 G	2.90 G	1.45 G	2.80
2	1.50	1.95	3.00 G	2.20	3.15 G	2.90	2.80	2.30 G	2.40	2.95 G	2.35	2.80
3	2.30	2.20	2.80 G	2.15	3.35 G	2.30	2.60	2.50 G	2.45	2.55 G	2.70 G	2.70
4	2.45	2.30	2.80	2.50	3.00 G	2.95	2.80	2.60 G	2.30	2.30 G	2.75	2.90
5	2.00	2.80	2.05	2.50	3.40	2.90	2.90	2.40 G	2.30 G	2.50 G	2.75	2.00
6	2.30	2.50	2.30	3.20	3.15	1.80	2.80	2.25 G	2.20 G	2.70 G	2.30	2.30
7	2.50	2.15	2.70	3.00	2.80 G	2.60	2.10 G	2.40 G	2.25	2.60 G	2.10	2.00
8	3.20	2.00	2.60	3.80	2.60	2.70	2.50 G	2.45	2.50 G	2.95 G	2.30	2.25
9	3.10 G	2.30	2.60	3.50	2.70	2.80	2.00	2.50 G	2.50	3.10 G	2.75	2.30
10	3.20 G	2.60	2.45	2.65	2.75	2.25	2.20 G	2.50 G	2.50	2.20 G	2.85 G	2.80
11	2.20 G	2.45	1.80	3.00	1.80 G	2.45	2.35 G	2.45 G	2.30	2.55 G	2.50	2.35
12	2.70 G	1.90	1.80	2.80	2.20	2.30	2.45 G	2.50 G	2.45	2.65 G	2.70	2.35
13	2.20 G	1.50	-1.10	2.60	1.95	2.50	2.55 G	2.50 G	2.65	3.00	2.90	3.90
14	1.60 G	1.60	0.90	3.15 G	2.00	2.50	2.65 G	2.50 G	3.10 G	3.15	3.10 G	2.05
15	2.25 G	2.35	2.00	3.20	2.40 G	2.30	2.55 G	2.40	2.65 G	2.80	3.25 G	1.75
16	2.30	2.45	3.10	2.00	2.70 G	2.50	2.40 G	2.30	2.50	2.70	3.95 G	2.80
17	2.10	1.60	1.70	2.50	2.45 G	2.85	2.30 G	2.15 G	2.60	2.80	3.10	2.50
18	2.60 G	1.95	1.80	3.15 G	2.80 G	2.95	2.60 G	2.20 G	2.70	3.00	2.45	2.30
19	2.30 G	2.30	2.75	3.00	2.70 G	2.75	2.45 G	2.20 G	2.90	2.95	2.80	2.00
20	2.90 G	2.70	2.80	3.00	2.15	3.90	1.70 G	2.30 G	3.00	3.05	1.80	2.80
21	3.00 G	2.90	2.35	2.20	2.80	3.35 G	2.30 G	2.50 G	2.95	2.80 G	2.30	1.15
22	2.90	2.05	2.80	1.85	2.60	3.40 G	2.30 G	2.45 G	2.95 G	1.50	2.45 G	2.30
23	2.90 G	2.50	2.50	2.30	3.20	3.40 G	2.30	2.30	2.95 G	2.10	2.20 G	2.10
24	2.65	2.65	2.55 G	2.80	3.35	3.35 G	2.30 G	2.40	2.95 G	2.50 G	2.80 G	2.10
25	2.50	2.85	2.65	2.30	2.15	3.10 G	2.35 G	2.30	2.80 G	2.80 G	2.50 G	2.30
26	2.35	2.20	1.90	1.50	2.00	3.00 G	2.30 G	2.25 G	3.00 G	3.00 G	2.40 G	2.00
27	2.00	1.40	1.90	2.00	2.10	3.00 G	2.30 G	2.50	2.35 G	2.50 G	2.20 G	2.30
28	2.25	2.05	2.00 G	2.50	2.50	3.20	2.45 G	2.50 G	2.30 G	2.35 G	2.20 G	2.30
29	1.90	-----	1.75	2.80	2.55	3.15 G	2.40 G	2.50 G	2.60 G	2.85 G	2.40 G	2.40
30	1.50	-----	2.05	2.55	2.85	3.30 G	2.40 G	2.50 G	2.70 G	2.75 G	2.50 G	2.35
31	1.70	-----	2.00	-----	2.75	----- G	2.70 G	2.40	----- G	2.20	----- G	2.55

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.37	2.22	2.17	2.59	2.63	2.84	2.45	2.40	2.60	2.67	2.56	2.37
MAX	3.20	2.90	3.10	3.80	3.40	3.90	3.00	2.60	3.10	3.15	3.95	3.90
MIN	1.50	1.40	-1.10	1.10	1.80	1.80	1.70	2.15	2.20	1.50	1.45	1.15
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 2.49.

HIGHEST STAGE WAS 3.95 ON NOV 16.

LOWEST STAGE WAS MINUS 1.10 ON MAR 13.

## DAILY STAGE FOR 1993

CALCASIEU RIVER SALT WATER BARRIER CHANNEL AT LAKE CHARLES, LA. (NAV. W.)

LOCATION. LAT. 30-15-13, LONG. 93-13-06. IN NAVIGATION CHANNEL ON WEST SIDE OF STRUCTURE. (STA. 7347321.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. STAGE, FEB. 1968 TO DATE.

EXTREMES. HIGHEST, 8.87 FEET ON DEC. 31, 1982. LOWEST, MINUS 3.00 FEET ON FEB. 28, 1984.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.39	1.40	1.88	0.90	2.30	2.39	3.02	2.29	2.10	3.22	1.99	3.02
2	1.21	1.30	2.89	0.50	2.99	2.90	2.89	2.19	2.39	3.13	2.53	2.88
3	1.92	2.09	2.30	1.90	3.21	3.11	2.70	2.20	2.38	2.25	2.80	3.20
4	2.29	2.20	2.30	2.21	2.95	3.00	2.70	2.00	1.69	2.50	2.72	2.92
5	1.72	2.70	1.60	2.31	3.30	2.90	2.70	2.05	2.06	2.69	2.73	1.50
6	1.86	2.20	1.90	2.64	3.18	2.60	2.87	2.17	2.35	2.94	0.85	2.00
7	2.37	1.85	2.31	2.95	2.90	2.51	2.60	2.10	2.30	3.03	1.08	1.59
8	2.90	2.25	2.41	3.40	2.75	2.68	2.16	2.23	2.63	3.40	2.03	1.82
9	2.85	2.40	2.59	2.85	2.80	2.75	2.10	2.20	2.60	3.42	2.23	1.90
10	3.01	2.45	2.54	1.98	2.38	2.16	2.07	2.08	2.49	2.13	1.90	2.15
11	2.47	2.30	1.80	2.47	1.75	1.88	2.23	2.31	2.30	2.87	2.11	1.90
12	2.52	1.48	1.65	2.34	1.97	2.00	2.40	2.44	2.72	2.84	2.70	2.30
13	1.75	0.90	-1.00	2.20	1.35	2.23	2.70	2.53	3.29	3.20	2.70	3.79
14	1.54	1.30	0.35	2.80	1.42	2.33	2.75	2.49	3.93	2.98	3.00	1.85
15	2.10	2.07	0.89	2.70	2.10	2.38	2.65	2.44	2.50	2.80	3.14	1.42
16	2.10	2.29	2.92	1.78	2.53	2.84	2.72	2.28	2.63	3.03	3.82	2.55
17	1.70	1.20	1.32	2.15	2.70	3.11	2.79	2.13	2.70	3.30	2.78	2.40
18	2.21	1.50	1.62	2.90	2.98	3.32	2.60	2.11	2.90	3.59	2.35	2.05
19	2.13	2.20	2.47	3.11	2.67	3.32	2.50	2.26	3.27	3.48	2.57	1.80
20	2.70	2.50	2.62	3.09	2.59	3.90	2.30	2.00	3.20	3.64	1.30	2.60
21	2.62	2.87	2.21	2.19	2.72	3.49	2.15	2.00	3.02	2.70	1.96	0.43
22	2.60	2.11	2.69	2.17	2.80	3.50	1.90	2.10	3.05	1.73	2.00	1.40
23	2.75	2.30	2.48	2.80	3.22	3.19	1.90	2.20	3.07	2.41	2.00	1.10
24	2.47	2.40	2.49	2.83	3.23	2.95	1.75	2.15	2.90	2.73	1.80	1.67
25	2.37	2.92	2.60	2.38	2.10	2.80	1.89	2.12	3.14	3.00	1.60	1.40
26	2.08	1.85	1.90	1.41	1.59	2.63	2.10	2.34	3.13	2.90	1.05	1.05
27	1.90	1.31	1.85	1.62	1.83	2.75	2.39	2.75	2.19	2.20	0.63	1.60
28	2.07	1.80	1.95	1.98	2.19	3.15	2.45	2.52	2.32	2.25	1.80	1.86
29	1.78	-----	1.73	2.11	2.32	3.27	2.36	2.38	2.47	2.85	1.85	1.30
30	1.33	-----	1.90	2.21	2.69	3.26	2.30	2.51	2.79	0.70	2.15	1.55
31	1.35	-----	1.72	-----	2.92	-----	2.42	2.21	-----	0.55	-----	2.23

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.14	2.01	1.96	2.30	2.53	2.84	2.42	2.25	2.68	2.76	2.14	1.85
MAX	3.01	2.92	2.92	3.40	3.30	3.90	3.02	2.75	3.93	3.85	3.82	3.79
MIN	1.21	0.90	-1.00	0.50	1.35	1.88	1.75	2.00	1.69	0.55	0.63	0.43
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 2.34.

HIGHEST STAGE WAS 3.93 AT 8:00 A.M. ON SEP 14.

LOWEST STAGE WAS MINUS 1.00 ON MAR 13.

## DAILY STAGE FOR 1993

CALCASIEU RIVER SALT WATER BARRIER CHANNEL AT LAKE CHARLES, LA. (NAV. W.)

LOCATION. LAT. 30-15-13, LONG. 93-13-06. IN NAVIGATION CHANNEL ON WEST SIDE OF STRUCTURE. (STA. 7347421.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. STAGE, FEB. 1968 TO DATE.

EXTREMES. HIGHEST, 9.00 FEET ON JUL. 3, 1989. LOWEST, MINUS 2.30 FEET ON DEC. 23, 1989.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.40	1.50	1.80	0.90	2.30	2.40	3.05 G	1.70 G	2.10 G	3.20 G	1.95 G	3.00
2	1.25	1.40	2.85 G	0.60	3.10 G	2.90	2.90	2.20 G	2.40	3.15 G	2.50	2.90
3	2.15	2.10	2.40 G	1.90	3.30 G	2.90	2.70	2.20 G	2.45	2.40 G	2.70 G	3.15
4	2.30	2.20	2.30	2.25	2.95 G	3.00	2.70	2.10 G	1.70	2.50 G	2.50	2.85
5	1.80	2.70	1.60	2.35	3.30	2.75	3.00	2.20 G	2.00 G	2.65 G	2.75	1.60
6	1.90	2.40	1.90	3.05	3.15	2.55	2.70	2.15 G	2.35 G	3.00 G	0.85	2.20
7	2.35	1.95	2.40	2.95	2.75 G	2.50	2.20 G	2.00 G	2.30	3.05 G	1.00	1.60
8	3.00	2.25	2.45	3.50	2.55	2.65	2.20 G	2.20 G	2.60	3.40 G	2.20	1.85
9	3.00 G	2.35	2.50	2.80	2.65	2.75	1.95	2.20 G	2.60	3.40 G	2.25	2.00
10	3.10 G	2.40	2.40	1.95	2.50	2.10	2.00 G	2.15 G	2.50	2.10 G	2.10 G	2.20
11	2.10 G	2.20	1.75	2.50	1.60 G	1.90	2.25 G	2.30 G	2.30	2.85 G	2.20	2.10
12	2.60 G	1.45	1.70	2.35	1.75	2.00	2.40 G	2.45 G	2.70	2.85 G	2.75	2.15
13	1.75 G	0.90	-1.00	2.25	1.35	2.40	2.70 G	2.55 G	3.30	3.25	3.00	3.75
14	1.50 G	1.30	0.70	2.85 G	1.45	2.35	2.85 G	2.60 G	3.95 G	2.95	3.30 G	1.90
15	2.10 G	2.10	0.90	2.90	2.20 G	2.35	2.75 G	2.45	2.50 G	2.85	3.15 G	1.50
16	2.10	2.30 G	3.05	1.85	2.60 G	2.85	2.80 G	2.30	2.60	3.00	3.85 G	2.60
17	1.90	1.30	1.40	2.30	2.70 G	3.10	2.80 G	2.10 G	2.70	3.30	2.80	2.45
18	2.30 G	1.50	1.70	3.00 G	3.00 G	3.35	2.20 G	1.90 G	2.80	3.55	2.35	2.00
19	2.20 G	2.15	2.70	3.00	2.65 G	3.25	2.40 G	2.15 G	3.25	3.40	2.55	1.80
20	2.80 G	2.55	2.75	3.00	2.60	3.90	2.30 G	1.90 G	3.20	3.65	1.40	2.60
21	2.90 G	2.85	2.30	2.10	2.75	3.25 G	2.05 G	1.80 G	3.00	2.75 G	2.00	0.40
22	2.65	2.10	2.75	1.85	2.80	3.20 G	1.80 G	1.85 G	3.05 G	1.75	2.00 G	1.90
23	2.75 G	2.20	2.50	2.50	3.10	3.05 G	1.70	2.20	3.05 G	2.45	2.00 G	1.10
24	2.50	2.20	2.50 G	2.70	3.30	2.90 G	1.70 G	2.20	2.90 G	2.70 G	1.80 G	1.50
25	2.40	2.90	2.60	2.20	2.10	2.80 G	1.90 G	2.15	3.20 G	3.05 G	1.60 G	1.15
26	2.10	1.95	1.85	1.40	1.60	2.60 G	2.10 G	2.35 G	3.20 G	3.05 G	1.20 G	1.05
27	1.90	1.20	1.70	1.50	1.80	2.75 G	2.40 G	2.80	2.35 G	2.30 G	0.60 G	1.60
28	2.15	1.95	1.90 G	2.00	2.20	3.15	2.50 G	2.55 G	2.45 G	2.30 G	2.00 G	2.00
29	1.80	-----	1.65	2.10	2.35	3.15 G	2.40 G	2.45 G	2.55 G	3.05 G	1.90 G	1.30
30	1.30	-----	1.80	2.35	2.75	3.25 G	2.30 G	2.45 G	2.80 G	0.90 G	2.25 G	1.50
31	1.30	-----	1.80	-----	2.90	----- G	1.85 G	2.15	----- G	0.45	----- G	2.20

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.17	2.01	1.99	2.30	2.52	2.80	2.37	2.22	2.69	2.75	2.18	2.00
MAX	3.10	2.90	3.05	3.50	3.30	3.90	3.05	2.80	3.95	3.65	3.85	3.75
MIN	1.25	0.90	-1.00	0.60	1.35	1.90	1.70	1.70	1.70	0.45	0.60	0.40
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 2.33.

HIGHEST STAGE WAS 3.95 AT 8:00 A.M. ON SEP 14.

LOWEST STAGE WAS MINUS 1.00 ON MAR 13.



## DAILY STAGE FOR 1993

CALCASIEU RIVER SALT WATER BARRIER CHANNEL AT LAKE CHARLES, LA. (FLDY. E.)

LOCATION. LAT. 30-15-08, LONG. 93-13-05. IN FLOODWAY CHANNEL ON EAST SIDE OF STRUCTURE AT GATE NUMBER ONE. (STA. 7347621.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. STAGE, FEB. 1968 TO DATE.

EXTREMES. HIGHEST, 8.95 FEET ON DEC. 31, 1982. LOWEST, MINUS 1.10 FEET ON MAR. 13, 1994.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.20	1.90	2.00	1.10	2.55 G	2.75	3.00 G	2.45 G	2.40	2.90 G	1.45 G	2.80
2	1.50	1.95	3.00	2.20	3.15 G	2.90	2.80 G	2.30 G	2.40 G	2.95 G	2.35 G	2.80
3	2.30	2.20	2.80	2.15	3.35	2.30	2.60 G	2.50 G	2.45 G	2.55 G	2.70 G	2.75
4	2.45	2.30	2.80	2.50	3.00 G	2.95	2.80 G	2.60 G	2.30 G	2.30 G	2.75	2.90
5	2.00	2.80	2.05	2.50	3.40 G	2.90	2.90 G	2.40 G	2.30 G	2.50 G	2.75	2.00
6	2.30	2.50	2.30	3.20	3.15	1.80	2.80 G	2.25 G	2.20 G	2.70 G	2.30	2.30
7	2.50	2.15	2.70	3.00	2.80 G	2.60	2.10 G	2.40 G	2.25 G	2.60 G	2.10	2.00
8	3.20	2.00	2.60	3.80	2.60	2.70	2.50 G	2.50 G	2.45 G	2.95 G	2.30	2.25
9	3.10 G	2.30	2.60	3.50	2.70	2.80	2.00 G	2.50 G	2.50	3.10 G	2.75	2.30
10	3.20	2.60	2.45	2.65	2.75	2.25	2.20 G	2.50 G	2.50	2.20 G	2.85 G	2.80
11	2.20	2.45	1.80	3.00	1.80	2.45 G	2.35 G	2.45 G	2.30	2.55 G	2.50	2.35
12	2.70	1.90	1.80	2.80	2.20	2.30 G	2.45 G	2.50 G	2.45	2.65 G	2.70	2.35
13	2.20	1.50	-1.10	2.60	1.95	2.50	2.55 G	2.50 G	2.65	3.00 G	2.90	3.90
14	1.60	1.60	0.90	3.15	2.00	2.50 G	2.65 G	2.50 G	3.10	3.15 G	3.10	2.05
15	2.25	2.35	2.00	3.20	2.40 G	2.30	2.55 G	2.40 G	2.65	2.80	3.25	1.75
16	2.30	2.45	3.10	2.00	2.70 G	2.50	2.40 G	2.30	2.50	2.70	3.95	2.80
17	2.10	1.60	1.70	2.50	2.45 G	2.85	2.30 G	2.15 G	2.60 G	2.80	3.10	2.50
18	2.60	1.95	1.80	3.15 G	2.80 G	2.95	2.60 G	2.20 G	2.70 G	3.00	2.45	2.30
19	2.30	2.30	2.75	3.00	2.70	2.75	2.45 G	2.20 G	2.90	2.95	2.80	2.00
20	2.90	2.70	2.80	3.00	2.15	3.90	1.70 G	2.30 G	3.00	3.05	1.80	2.80
21	3.00	2.90	2.35	2.20	2.80	3.35	2.30 G	2.50	2.95	2.80	2.30	1.15
22	2.90	2.05	2.80	1.85	2.60	3.40	2.30 G	2.45	2.95	1.50	2.45 G	2.30
23	2.90 G	2.50	2.50	2.30	3.20	3.40 G	2.30 G	2.30 G	2.95 G	2.10	2.20	2.10
24	2.65	2.65	2.55	2.80	3.35	3.35 G	2.30 G	2.40 G	2.95 G	2.50	2.80	2.10
25	2.50 G	2.85	2.65	2.30	2.15	3.10 G	2.35 G	2.25	2.80 G	2.80	2.50	2.30
26	2.35	2.20	1.90	1.50	2.00	3.00 G	2.30 G	2.25 G	3.00 G	3.00	2.40	2.00
27	2.00	1.40	1.90	2.00	2.10	3.00 G	2.30 G	2.50	2.35	2.50 G	2.20	2.30
28	2.25	2.05	2.00	2.50	2.50	3.20 G	2.45 G	2.50 G	2.30 G	2.35 G	2.20	2.30
29	1.90	-----	1.75	2.80	2.55	3.15 G	2.40 G	2.50 G	2.60 G	2.85 G	2.40	2.40
30	1.50	-----	2.05	2.55	2.85	3.30 G	2.40 G	2.50 G	2.70	2.75 G	2.50	2.35
31	1.70	-----	1.10	-----	2.75	----- G	2.70 G	2.40	-----	2.20	----- G	2.55

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.37	2.22	2.14	2.59	2.63	2.84	2.45	2.40	2.60	2.67	2.56	2.37
MAX	3.20	2.90	3.10	3.80	3.40	3.90	3.00	2.60	3.10	3.15	3.95	3.90
MIN	1.50	1.40	-1.10	1.10	1.80	1.80	1.70	2.15	2.20	1.50	1.45	1.15
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 2.49.

HIGHEST STAGE WAS 3.95 AT 8:00 A.M. ON NOV 16.

LOWEST STAGE WAS MINUS 1.10 ON MAR 13.

## DAILY STAGE FOR 1993

## CALCASIEU RIVER SALT WATER BARRIER CHANNEL AT LAKE CHARLES, LA. (FLDY. W.)

LOCATION. LAT. 30-15-08, LONG. 93-13-05. IN FLOODWAY CHANNEL ON WEST SIDE OF STRUCTURE AT GATE NUMBER ONE. (STA. 7347821.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. STAGE, FEB. 1968 TO DATE.

EXTREMES. HIGHEST, 9.00 FEET ON JUL. 3, 1989. LOWEST, MINUS 2.30 FEET ON DEC. 23, 1989.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.40	1.50	1.80	0.90	2.30 G	2.40	3.05 G	1.70 G	2.10	3.20 G	1.95 G	3.00
2	1.25	1.40	2.85	0.90	3.10 G	2.90	2.90 G	2.20 G	2.40 G	3.15 G	2.50 G	2.90
3	2.15	2.10	2.40	1.90	3.30	2.90	2.70 G	2.20 G	2.45 G	2.40 G	2.70 G	3.15
4	2.30	2.20	2.30	2.25	2.95 G	3.00	2.70 G	2.10 G	1.70 G	2.50 G	2.50	2.85
5	1.80	2.70	1.60	2.35	3.30 G	2.75	3.00 G	2.20 G	2.00 G	2.65 G	2.75	1.60
6	1.90	2.40	1.90	3.05	3.15	2.55	2.70 G	2.15 G	2.35 G	3.00 G	0.85	2.20
7	2.35	1.95	2.40	2.95	2.75 G	2.50	2.20 G	2.00 G	2.30 G	3.05 G	1.00	1.60
8	3.00 G	2.25	2.45	3.50	2.55	2.65	2.20 G	2.20 G	2.60 G	3.40 G	2.20	1.85
9	3.00 G	2.35	2.50	2.80	2.65	2.75	1.95 G	2.20 G	2.60	3.45 G	2.25	2.00
10	3.10	2.40	2.00	1.95	2.50	2.10	1.95 G	2.15 G	2.50	2.10 G	2.10 G	2.20
11	2.10	2.20	1.75	2.50	1.60	1.90 G	2.25 G	2.30 G	2.30	2.85 G	2.20	2.10
12	2.60	1.45	1.70	2.35	1.75	2.00 G	2.40 G	2.45 G	2.70	2.85 G	2.75	2.15
13	1.75	0.90	-1.00	2.25	1.35	2.40	2.70 G	2.55 G	3.30	3.25 G	3.00	3.75
14	1.50	1.30	0.70	2.85	1.45	2.35 G	2.85 G	2.60 G	3.95	2.95 G	3.30	1.90
15	2.10	2.10	0.90	2.90	2.20 G	2.35	2.75 G	2.45 G	2.50	2.85	3.15	1.50
16	2.10	2.30	3.05	1.85	2.60 G	2.85	2.80 G	2.30	2.60	3.00	3.85	2.60
17	1.90	1.30	1.40	2.30	2.70 G	3.10	2.80 G	2.10 G	2.70 G	3.30	2.80	2.45
18	2.30	1.50	1.70	3.00 G	3.00 G	3.35	2.20 G	1.90 G	2.80 G	3.55	2.35	2.00
19	2.20	2.15	2.70	3.00	2.65	3.25	2.40 G	2.15 G	3.25	3.40	2.55	1.80
20	2.80	2.55	2.75	3.00	2.60	3.90	2.30 G	1.90 G	3.20	3.65	1.40	2.60
21	2.75	2.85	2.30	2.10	2.75	3.25	2.05 G	1.80	3.00	2.75	2.00	0.40
22	2.65	2.10	2.75	1.85	2.80	3.20	1.80 G	1.85	3.05	1.75	2.00 G	1.90
23	2.75 G	2.20	2.50	2.50	3.10	3.05 G	1.70 G	2.20 G	3.05 G	2.45	2.00	1.10
24	2.50	2.20	2.50	2.70	3.30	2.90 G	1.70 G	2.20 G	2.90 G	2.70	1.80	1.50
25	2.40 G	2.90	2.60	2.20	2.10	2.80 G	1.90 G	2.35	3.20 G	3.05	1.60	1.15
26	2.10	1.95	1.85	1.40	1.60	2.60 G	2.10 G	2.35 G	3.20 G	3.05	1.20	1.05
27	1.90	1.20	1.70	1.50	1.80	2.75 G	2.40 G	2.80	2.35	2.30 G	0.60	1.60
28	2.15	1.95	1.90	2.00	2.20	3.15 G	2.50 G	2.55 G	2.45 G	2.30 G	2.00	2.00
29	1.80	-----	1.65	2.10	2.35	3.15 G	2.40 G	2.45 G	2.55 G	3.05 G	1.90	1.30
30	1.30	-----	1.80	2.35	2.75	3.25 G	2.30 G	2.45 G	2.80	0.90 G	2.25	1.50
31	1.30	-----	0.90	-----	2.90	----- G	1.85 G	2.15	-----	0.45	----- G	2.20

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.17	2.01	1.95	2.31	2.52	2.80	2.37	2.22	2.69	2.75	2.18	2.00
MAX	3.10	2.90	3.05	3.50	3.30	3.90	3.05	2.80	3.95	3.65	3.85	3.75
MIN	1.25	0.90	-1.00	0.90	1.35	1.90	1.70	1.70	1.70	0.45	0.60	0.40
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 2.33.

HIGHEST STAGE WAS 3.95 AT 8:00 A.M. ON SEP 14.

LOWEST STAGE WAS MINUS 1.00 ON MAR 13.

## DAILY STAGE FOR 1993

## CALCASIEU RIVER AND PASS AT LAKE CHARLES, LA.

LOCATION. LAT. 30-13-05, LONG. 93-15-12. ON EAST END OF LAKE CHARLES HARBOR TERMINAL DISTRICT DOCKS. (STA. 7355021.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. STAGE, JUNE 19, 1937 TO OCT. 4, 1973 AND MAR. 21, 1974 TO DATE.

EXTREMES. HIGHEST, 9.8 FEET ON MAY 22, 1953. LOWEST, MINUS 2.40 FEET ON FEB. 28, 1984.

## DAILY EIGHT A.M. STAGE IN FEET

## GAGE ZERO, MINUS 0.59 FOOT, NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.70	1.93	2.21	1.20	2.85 F	2.29	3.33	2.58	2.51	3.44	2.15	3.39
2	1.61	1.68	3.27	0.84	3.06	3.15	3.27	2.65	2.77	3.31	2.64	3.20
3	2.33	2.42	2.70	2.21	3.30	3.47	3.16	2.67	2.76	2.50	2.90	3.51
4	2.58	2.46	2.55	2.64	3.19	3.34	3.30	2.56	2.04	2.87	2.85	3.25
5	2.00	3.06	1.94	2.51	3.81	3.20	3.34	2.53	2.55	2.90	2.98	1.86
6	2.14	2.70	2.25	3.09	3.82	3.00	3.20	2.60	2.66		1.21	2.35
7	2.65	2.37	2.75	3.56	2.40	3.20	2.95	2.45	2.62		1.45	1.90
8	3.15	2.66	2.76	4.22	3.62	3.30	2.63	2.51	3.00		2.37	2.20
9	3.27	2.80	2.83	3.27	3.73	3.30	2.56	2.45	2.95		2.50	2.27
10	3.42	2.85	2.69	2.60	2.85	2.60	2.53	2.40	2.80		2.16	2.49
11	2.88	2.60	2.31	2.91	2.43	2.35	2.47	2.59	2.64		2.34	2.45
12	3.16	1.84	2.09	2.67	2.55	2.26	2.60	2.70	3.07		2.81	2.67
13	2.17	1.32	-0.50	2.55	1.74	2.43	2.95	2.84	3.64		2.91	4.17
14	1.95	1.77	0.94	3.10		2.49	2.92	2.76	4.25 F	2.64	3.21	2.16
15	2.40	2.40	1.25	2.99		2.40	2.92	2.74	2.65	2.85	3.20	1.72
16	2.40	2.65	3.52	2.11		3.00	3.04	2.59	2.89	3.01	3.95	2.89
17	2.15	1.57	1.62	2.55		3.40	3.01	2.44	3.00	3.33	2.89	2.73
18	2.52	1.87	1.96	3.12		3.72	2.95	2.50	3.27	3.72	2.65	2.43
19	2.41	2.54	2.80	3.48		3.78	2.88	2.70	3.65	3.79	2.86	2.10
20	2.91	2.90	2.92	3.40		4.57	2.85	2.59	3.63	4.01	1.62	3.00
21	2.94	3.34	2.54	2.45		4.11	2.66	2.65	3.46	3.23	2.33	0.88
22	2.89	2.51	3.06	2.74		4.15	2.65	2.60	3.40	2.10	2.35	1.70
23	3.12	2.67	2.85	3.37		3.70	2.50	2.62	3.35	2.68	2.41	1.25
24	2.82	2.90	2.85	3.43		3.60	2.45	2.50	3.12	3.02	2.13	1.60
25	2.83	3.32	3.06	3.12		3.18	2.40	2.43	3.42	3.05	2.00	1.25
26	2.51	2.32	2.36	2.11		3.00	2.38	2.72	3.45	2.93	1.54	1.25
27	2.39	1.70	2.46	2.25		2.99	2.69	3.17	2.36	2.21	1.11	1.62
28	2.50	2.31	2.44	2.50		3.30	2.77	2.80	2.60	2.23	2.20	2.00
29	2.20	-----	2.16	2.60		3.34	2.63	2.73	2.74	2.85	2.15	1.44
30	1.77	-----	2.29	2.56		3.49	2.61	2.85	3.05	0.90	2.54	1.85
31	1.78	-----	2.07	-----		-----	2.71	2.62	-----	0.66	-----	2.45

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.50	2.41	2.35	2.74	3.03	3.20	2.82	2.63	3.01	2.79	2.41	2.26
MAX	3.42	3.34	3.52	4.22	3.82	4.57	3.34	3.17	4.25	4.01	3.95	4.17
MIN	1.61	1.32	-0.50	0.84	1.74	2.26	2.38	2.40	2.04	0.66	1.11	0.88
DAYS	31	28	31	30	13	30	31	31	30	23	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 339

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 2.66.

HIGHEST STAGE WAS 5.05 AT 10:30 A.M. ON JUN 20.

LOWEST STAGE WAS MINUS 0.83 ON MAR 13.

## DAILY STAGE FOR 1993

## CALCASIEU RIVER AND PASS AT HACKBERRY, LA.

LOCATION. LAT. 30-00-20, LONG. 93-20-05. ON AMERICAN OIL CO. WHARF ABOUT 900 FEET SOUTH OF BLACK LAKE BAYOU. (STA. 7360021.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. APR. 1943, TO DATE. PRIOR TO AUG. 1970 GAGE WAS LOCATED IN BLACK LAKE BAYOU.

EXTREMES. HIGHEST, 7.25 FEET (CAUSED BY HURRICANE) ON JUNE 27, 1957. LOWEST, MINUS 1.52 FEET ON MAR. 29, 1984 AND MAR. 13, 1994.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO, MINUS 0.55 FOOT, NGVD (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.20	1.05	1.83	0.60	2.33	1.87	2.61	1.86	1.74	2.60	1.45	1.72
2	0.94	0.95	2.16	0.30	2.40	2.39	2.50	1.95	1.99	2.46	2.04	1.85
3	1.52	1.50	1.67	1.36	2.30	2.65	2.35	2.06	2.04	1.85	2.34	2.00
4	1.72	1.70	1.35	1.60	2.34	2.56	2.58	2.05	1.49	2.10	2.22	1.19
5	1.03	2.18	0.80	1.48	2.91	2.43	2.70	1.90	1.86	2.20	2.32	1.35
6	1.30	1.80	1.03	2.13	3.00	2.20	2.55	2.05	2.04	2.47	0.76	1.20
7	1.63	1.50	1.55	2.65	2.83	2.30	2.45	2.05	2.05	2.59	0.99	1.86
8	2.05	1.75	1.80	3.31	2.87	2.30	2.10	1.96	2.35	3.15	1.93	2.10
9	2.15	1.98	2.10	2.38	2.96	2.45	2.10	1.93	2.37	3.00	2.05	2.26
10	2.40	2.10	2.19	1.90	2.34	1.90	2.10	1.87	2.25	1.95	1.75	2.29
11	2.12	2.30	1.80	2.20	1.90	1.80	2.00	1.99	2.13	2.25	1.80	2.06
12	2.40	1.32	1.85	1.93	1.89	1.77	2.06	2.23	2.40	2.20	2.30	2.87
13	1.46	0.80	-1.09	1.75	1.13	2.00	2.32	2.32	2.93	2.50	2.31	2.40
14	1.39	0.94	-0.30	2.10	1.22	2.05	2.25	2.15	3.35	2.19	2.47	0.71
15	1.73	1.60	0.58	2.02	1.65	1.97	2.35	2.12	1.96	2.10	2.39	1.75
16	1.57	1.75	2.65	1.37	2.06	2.45	2.35	1.85	2.09	2.21	3.08	2.11
17	1.35	0.91	0.95	1.73	2.11	2.76	2.35	1.65	2.22	2.54	2.03	2.00
18	1.67	1.05	1.20	2.22	2.50	3.00	2.26	1.65	2.55	2.90	2.04	1.85
19	1.50	1.64	1.95	2.55	2.20	3.15	2.20	1.91	2.94	3.02	2.18	2.51
20	1.95	1.99	2.12	2.50	2.20	4.05	2.13	1.84	2.98	3.32	1.18	2.35
21	1.90	2.50	1.76	1.68	2.42	3.40	1.98	1.90	2.92	2.56	1.85	0.34
22	1.92	1.85	2.24	1.85	2.65	3.35	2.04	1.91	2.88	1.58	1.50	1.10
23	2.15	1.98	2.10	2.40	3.05	3.08	1.90	2.03	2.80	2.15	1.50	0.56
24	1.85	2.35	2.02	2.70	3.30	2.99	1.90	1.90	2.58	2.50	1.35	0.95
25	2.03	2.80	2.30	2.53	2.45	2.70	1.84	1.76	2.70	2.48	0.98	0.65
26	1.89	1.65	1.74	1.65	1.93	2.58	1.77	2.17	2.73	2.42	0.62	0.53
27	1.95	1.42	2.00	1.87	2.15	2.52	2.09	2.60	1.65	1.75	0.35	1.05
28	1.80	1.86	1.90	2.14	2.28	2.65	2.21	2.12	1.90	1.66	0.90	1.19
29	1.63	-----	1.67	2.15	2.25	2.68	2.05	2.03	1.98	2.30	1.05	0.55
30	1.32	-----	1.69	1.96	2.27	2.72	2.03	2.10	2.22	0.45	1.40	0.90
31	1.09	-----	1.36	-----	2.27	-----	1.95	1.92	-----	-0.07	-----	1.60

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.70	1.67	1.58	1.97	2.33	2.56	2.21	1.99	2.34	2.24	1.70	1.54
MAX	2.40	2.80	2.65	3.31	3.30	4.05	2.70	2.60	3.35	3.32	3.08	2.87
MIN	0.94	0.80	-1.09	0.30	1.13	1.77	1.77	1.65	1.49	-0.07	0.35	0.34
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 1.99.

HIGHEST STAGE WAS 4.31 AT 9:30 A.M. ON JUN 20.

LOWEST STAGE WAS MINUS 1.52 ON MAR 13.



## DAILY STAGE FOR 1993

## CALCASIEU RIVER AND PASS NEAR CAMERON, LA.

LOCATION. LAT. 29-46-30, LONG. 93-20-46. AT CALCASIEU RIVER PILOTS DOCKS, TWO MILES SOUTHWEST OF CAMERON. (STA. 7365022.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

RECORDS AVAILABLE. APR. 1939 TO DATE.

EXTREMES. HIGHEST, 12.9 FEET, FROM WATERMARK LEFT BY HURRICANE OF JUNE 27, 1957. LOWEST, MINUS 3.15 FEET ON MAR. 12, 1993.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.89	1.61	2.70	1.76	2.90	2.13	2.52	2.02	1.35	2.00	0.88	1.38
2	2.10	1.71	2.23	1.50	0.89	2.60	2.40	2.20	1.50	1.60	1.63	1.39
3	2.47	1.56	2.20	2.10	1.55	2.47	2.33	2.20	1.32	1.31	1.69	1.55
4	2.30	1.45	0.62	1.89	2.25	2.40	2.68	1.97	1.26	1.24	1.93	0.40
5	1.60	0.94	-0.20	0.50	2.93	2.62	2.62	1.88	1.34	1.30	2.09	1.06
6	1.51	-0.11	0.01	1.76	2.60	2.76	2.75	2.02	1.64	1.85	1.36	1.15
7	1.40	0.22	0.06	2.45	2.95	3.02	2.51	1.91	1.86	2.23	1.67	2.31
8	0.32	0.37	0.50	4.95	3.22	3.32	2.30	1.76	2.07	3.00	2.36	2.47
9	0.94	1.95	1.35	1.85	3.43	3.17	2.41	1.85	2.20	3.03	2.12	2.65
10	0.60	2.60	2.00	2.59	3.12	2.85	2.21	1.81	2.15	2.41	1.66	2.75
11	0.75	3.06	2.25	2.80	2.63	2.52	2.40	2.22	2.45	2.50	1.47	2.55
12	1.75	2.05	2.80	2.67	2.55	2.50	2.45	2.44	3.00	2.65	1.30	2.48
13	1.60	1.75	-0.80	2.75	1.95	2.45	2.60	2.55	3.25	2.40	0.87	2.80
14	2.50	1.76	1.20	3.04	2.07	2.20	2.40	2.66	3.35	1.53	1.10	-0.25
15	2.80	1.75	1.80	2.25	2.28	2.15	2.64	2.24	2.13	1.20	0.90 F	1.47
16	2.60	0.85	3.23	2.00	2.35	2.72	2.61	1.85	1.31	0.80	2.21 F	1.65
17	2.25	0.84	1.35	2.10	2.25	3.20	2.50	1.52	1.20	1.05	0.85	0.97
18	2.32	0.27	2.07	2.19	2.37	3.25	2.55	1.35	1.47	1.42	2.00 F	1.99
19	1.72	0.85	1.74	2.39	1.77	3.80	2.35	1.35	1.90	1.75	2.12	2.14
20	1.75	0.98	1.70	2.35	2.70	3.85	2.05	0.97	2.31	2.51	1.77	2.10
21	1.80	1.95	1.46	1.95	2.75	3.45	1.92	1.09	2.40	2.12	2.24	1.24
22	1.50	1.67	1.65	2.04	3.00	3.03	1.85	1.01	2.95	2.18	2.05	1.57
23	1.55	2.10	1.85	2.35	3.30	3.06	1.79	1.28	2.90	2.65	2.03	0.87
24	0.90	2.50	1.84	2.35	4.25	3.07	1.95	1.65	2.80	2.87	1.85	1.05
25	2.10	3.06	2.34	2.75	3.42	3.05	1.90	2.11	2.88	2.60	1.59	-0.40
26	2.08	2.24	2.00	2.40	2.89	3.01	2.06	2.65	2.80	2.38	1.15	0.12
27	2.11	2.54	2.40	3.07	3.15	2.80	2.47	2.58	1.30	1.50	0.96	-0.44
28	2.18	2.71	2.49	3.07	3.27	2.83	2.60	2.37	2.07	1.40	0.81	0.17
29	2.43	-----	2.60	2.95	3.06	2.78	2.23	2.20	2.10	1.30	0.80	-0.55
30	2.06	-----	2.65	2.80	2.95	2.50	2.27	1.95	1.86	-0.80	0.85	0.00
31	2.01	-----	2.17	-----	2.60	-----	2.03	1.80	-----	-0.50	-----	0.79

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.80	1.62	1.69	2.39	2.69	2.85	2.33	1.92	2.10	1.79	1.54	1.27
MAX	2.80	3.06	3.23	4.95	4.25	3.85	3.75	2.66	3.35	3.03	2.36	2.80
MIN	0.32	-0.11	-0.80	0.50	0.89	2.13	1.79	0.97	1.20	-0.80	0.80	-0.55
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 2.00.

HIGHEST STAGE WAS 6.19 AT 11:00 A.M. ON APR 8.

LOWEST STAGE WAS MINUS 3.15 ON MAR 12.

## DAILY STAGE FOR 1993

## BAYOU BIENVENUE AT PARIS ROAD (LA.)

LOCATION. LAT. 29-58-55, LONG. 89-56-47. ON STATE HIGHWAY 47 (PARIS ROAD) BRIDGE.  
(STA. 7602004.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

RECORDS AVAILABLE. DEC. 19, 1974 TO JAN. 13, 1993.

EXTREMES. HIGHEST, 4.82 FEET ON MAY 3, 1978. LOWEST, MINUS 2.93 FEET ON APR. 12, 1988.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.77											
2	0.96											
3	1.14											
4	1.90											
5	1.70											
6	1.61											
7	1.54											
8	1.75											
9	1.70											
10	1.86											
11	2.70											
12	2.15											
13	1.35											
14	S											
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29		-----										
30		-----										
31		-----		-----		-----			-----		-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.63											
MAX	2.70											
MIN	0.77											
DAYS	13	0	0	0	0	0	0	0	0	0	0	0

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 13

S=DISCONTINUED

THE MEAN STAGE FOR THE YEAR WAS 1.63.

HIGHEST STAGE WAS NOT DETERMINED.

LOWEST STAGE WAS NOT DETERMINED.

## DAILY STAGE FOR 1993

INTRACOASTAL WATERWAY NEAR PARIS ROAD BRIDGE, NEW ORLEANS, LA.

LOCATION. LAT. 30-00-24, LONG. 89-56-05. ON NORTH BANK AT NEW ORLEANS PUBLIC SERVICE, INC.  
ELECTRIC PLANT, 1700 FEET EAST OF PARIS ROAD BRIDGE. (STA. 7604003.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO NOV. 15, 1967, GAGE WAS LOCATED AT PARIS ROAD BRIDGE (FIELD OFFICE).  
PRIOR TO 1977 GAGE ZERO WAS M.L.G.

RECORDS AVAILABLE. STAGE, JUNE 27 TO OCT. 9, 1944, JUNE 12 TO AUG. 17, 1945, AND APR. 16, 1948,  
TO DATE.

EXTREMES. HIGHEST, 10.04 FEET (CAUSED BY HURRICANE) ON SEP. 10, 1965. LOWEST, MINUS 2.56 FEET ON  
APR. 12, 1988. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.88	0.05	0.53	-0.40	1.82	1.87	1.37	1.48	1.67	1.69	1.03	1.82
2	0.80	0.65	0.72		2.52	1.86	1.35	1.35	2.36	1.75	1.25	2.80
3	1.18	1.48			2.13	1.39	1.15	1.42	1.80	1.66	1.53	2.59
4		1.62 F	0.20		1.99	1.25	1.43	1.37	1.52	1.87	1.65	2.47
5		1.41	-0.05		2.08	1.15	1.10	1.37	2.24	2.05	1.96	1.08
6		1.70	0.15		1.82	0.89	1.33	1.20	2.29	2.32	1.65	1.25
7	F 0.89	1.20	0.48		1.70	0.89	1.10	1.38	2.26	2.82	1.73	1.42
8	1.49	1.10	0.25		1.70	0.86	1.65	1.60	2.56	3.31	1.77	0.80
9	1.78	1.29	0.46 F	1.16	1.87	1.07	1.66	1.75	2.47	2.68	1.63	0.76
10	2.30	1.75	0.69	0.75	1.40	1.12	1.49	1.90	2.05	2.35	1.40	0.90
11	3.19	1.79	1.02	0.20	1.31	1.09	1.60	2.15	2.23	2.32	1.00	1.09
12	2.15	0.49	1.70	0.55	1.64	1.15	1.71	2.20	2.12	1.99	1.30	1.55
13	F 0.98	0.10	0.00	0.55	0.60	1.12	1.55	2.07	2.15	1.75	1.75	1.63
14	1.45	0.12	-1.09	1.32	1.15	1.39	1.60	1.55	2.40	2.31	1.87	1.78
15	1.70	0.42	-0.69	1.73	1.25	1.85	1.93	1.17	2.14	2.41	1.81	1.38
16	0.98 F	1.25	2.35	0.58	1.30	1.79	1.83	1.40	2.05	2.39	2.05	1.77
17	0.47		1.88	0.94	1.15	2.15	1.68	1.46	2.09	2.55	1.97	
18	0.46 F	0.35	1.77	0.86	1.50	2.67	1.53	1.42	2.45	2.39	2.00	
19	0.78	1.10	1.05	1.25	1.38	2.95	1.27	1.15	2.59	2.52	1.60	
20	1.85	0.80	1.86	1.88	2.10	2.83	1.05	1.17	2.48	2.84	1.33	
21	2.00	1.30	1.74	1.40	1.95	2.32	1.20	1.38	2.75		1.75	
22	1.69 F	1.54	1.76	1.19	2.17	2.20	1.35	0.97	2.51		1.28	
23	1.68		1.07	0.90	1.53	1.90	1.11	1.17	2.40		0.86	
24	1.97		1.35	1.18	1.94	1.89	1.32	1.56	1.95		0.45	
25		F 1.60	1.60	1.55	2.02	1.61	1.73	2.30	1.77 F	2.37	0.30	
26	F 1.95	2.01	1.10	1.25	1.87	1.85	1.64	2.39	1.45	1.97 F	0.53	
27	1.58	1.30	0.75	1.65	1.60	2.10	1.70	2.12	1.63	1.43 F	0.62	
28	0.55	0.85	0.70	1.34	1.95	2.05	1.68	2.07	1.80	1.20 F	0.75	
29	0.99	-----	0.40	1.52	1.62	1.79	1.89	1.57	1.69	1.20	0.35	
30	1.42	-----	0.60	1.70	1.75	1.58	1.85	1.72	2.00	1.31	0.90	
31	0.55	-----	0.39	-----	1.80	-----	1.50	1.69	-----	0.42	-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.40	1.09	0.82	1.09	1.70	1.69	1.50	1.60	2.13	2.07	1.34	1.57
MAX	3.19	2.01	2.35	1.88	2.52	2.95	1.93	2.39	2.75	3.31	2.05	2.80
MIN	0.46	0.05	-1.09	-0.40	0.60	0.86	1.05	0.97	1.45	0.42	0.30	0.76
DAYS	27	25	30	23	31	30	31	31	30	27	30	16

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 331

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.51.

HIGHEST STAGE WAS 4.25 AT 9:00 P.M. ON MAR 12.

LOWEST STAGE WAS MINUS 1.10 ON MAR 14.

## DAILY STAGE FOR 1993

INNER HARBOR NAVIGATION CANAL NEAR SEABROOK BRIDGE, NEW ORLEANS, LA.

LOCATION. LAT. 30-01-45, LONG. 90-01-58. ON EAST BANK AT BAROID PLANT WHARF, 250 FEET SOUTH OF SEABROOK BRIDGE. (STA. 7606006.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO MAR. 4, 1965, GAGE WAS LOCATED AT SOUTHERN RAILROAD BRIDGE. PRIOR TO 1976 GAGE ZERO WAS M.L.G.

RECORDS AVAILABLE. VARIOUS MONTHS, 1942, 1944, 1945, 1959, AND 1960. DAILY, AUG. 18, 1962 TO DATE.

EXTREMES. (SINCE 1962) HIGHEST, 6.47 FEET (CAUSED BY HURRICANE) ON AUG. 18, 1969. LOWEST, MINUS 1.89 FEET ON APR. 12, 1988. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.55	0.08	0.30	-0.29			0.53	1.52	1.17	1.26	0.21	1.04
2	0.58	0.37	0.55	-0.41			0.60	1.44	1.78	1.36	0.55	1.77
3	0.87	1.09	0.80	0.17			0.59	1.48	1.29	1.31	0.99	1.88
4	1.53	1.42	0.40	2.12			0.87	1.40	0.96	1.49	1.03	1.72
5	1.20	1.28	-0.11	1.37			0.58	1.20	1.50	1.67	1.26	0.63
6	1.13	1.52	-0.10	0.97			0.79	1.10	1.67	1.81	0.92	0.67
7	1.19	0.93	0.21	1.11			0.65	1.06	1.69	2.12	0.79	0.76
8	1.32	0.83	-0.08	1.73		0.28	0.87	1.20	1.85	2.66	1.02	0.50
9	1.45	0.71	-0.05	1.33		0.47	1.01	1.29	1.84	2.24	1.05	0.45
10	1.70	0.99	0.06	0.61		0.57	0.87	1.49	1.49	1.86	0.95	0.63
11	2.48	1.35	0.33	0.20		0.61	0.86	1.74	1.46	1.69	0.68	0.70
12	1.77	0.54	1.29	0.41		0.63	0.90	1.84	1.44	1.50	1.04	0.94
13	1.02	-0.11	0.19	0.41		0.56	0.76	1.76	1.53	1.31	1.48	1.14
14	1.00	-0.15	-1.08	0.97		0.69	0.73	1.48	1.76	1.78	1.66	1.30
15	1.20	0.19	-0.91	1.53		1.00	0.95	1.04	1.66	1.84	1.62	0.71
16	0.91	0.85	0.94	0.32		1.16	0.94	1.06	1.52	1.89	1.82	0.83
17	0.48	0.97	1.03	0.42		1.52	0.94	1.28	1.65	2.07	1.64	0.84
18	0.39	0.78	0.96	0.40		2.25	0.88	1.32	2.07	1.96	1.52	0.78
19	0.73	0.63	0.43	0.63		2.27	0.70	0.62	2.20	2.02	1.28	0.70
20	1.68	0.58	1.28	1.14		2.14	0.65	0.67	2.13	2.11	1.06	1.23
21	1.73	0.94	1.24	0.86		1.86	0.74	0.42	2.21	2.32	1.10	0.24
22	1.48	0.81	1.12	0.49		1.58	0.81	0.21	2.10	1.96	0.96	
23	1.41	1.27	0.74	0.18		1.24	0.61	0.18	1.99	1.87	0.59	0.32
24	1.69	1.13	0.74	0.54		1.16	0.63	0.30	1.65	2.17	0.33	0.44
25	2.56	1.40	0.94	1.01		1.12	0.86	0.84	1.47	1.69	0.23	-0.20
26	2.04	1.57	0.92	0.99		1.05	0.85	1.33	1.28	1.54	0.43	-0.59
27	1.16	0.95	0.45	1.02		1.20	0.78	1.36	1.34	1.13	0.53	-0.49
28	0.37	0.58	0.31			1.24	0.81	1.21	1.35	0.74	0.48	0.04
29	0.60	-----	0.22			0.97	1.00	0.90	1.24	0.89	0.26	0.23
30	1.06	-----	0.43			0.75	1.04	0.97	1.67	1.28	0.36	0.46
31	0.39	-----	0.34	-----		-----	0.91	1.06	-----	-0.09	-----	0.49

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.22	0.84	0.45	0.75		1.14	0.80	1.12	1.63	1.66	0.93	0.67
MAX	2.56	1.57	1.29	2.12		2.27	1.04	1.84	2.21	2.66	1.82	1.88
MIN	0.37	-0.15	-1.08	-0.41		0.28	0.53	0.18	0.96	-0.09	0.21	-0.59
DAYS	31	28	31	27	0	23	31	31	30	31	30	30

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 323  
 THE MEAN STAGE FOR THE YEAR WAS 1.02.  
 HIGHEST STAGE WAS 3.28 AT 7:00 P.M. ON MAR 12.  
 LOWEST STAGE WAS MINUS 1.10 ON MAR 14.

## DAILY STAGE FOR 1993

HARBOR NAVIGATION CANAL (IWW) AT FLORIDA AVE. BRIDGE, NEW ORLEANS, LA

LOCATION. LAT. 29-58-53, LONG. 90-01-15. AT FLORIDA AVENUE BRIDGE CONTROL HOUSE. (STA. 7612007.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. PRIOR TO 1979 GAGE ZERO WAS MINUS 20.55 FEET, NGVD.

RECORDS AVAILABLE. JULY 1944 TO DATE. SUBTRACT 0.2 FROM DAILY STAGES PRIOR TO 1955.

EXTREMES. (SINCE 1945) HIGHEST, 9.82 FEET (CAUSED BY HURRICANE) ON AUG. 18, 1969. LOWEST, (FROM INCOMPLETE RECORD) MINUS 2.53 FEET ON DEC. 26, 1989. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.48	-0.30	0.08 F	-0.78	1.40	1.47	0.83	0.98	1.20	1.36		1.25
2	0.45	0.19	0.25	-0.50	2.10	1.49	0.88	0.86	1.80	1.40 F	0.35	2.15
3	0.80	1.03	0.43	0.20	1.78	0.97	0.65	0.93	1.20	1.35 F	0.60	1.95
4	1.28	1.20	-0.15	2.50	1.50	0.84	0.95	0.88	0.99	1.50 F	0.60	1.81
5	0.69	1.05	-0.53	1.32	1.70	0.70	0.55	0.83	1.67	1.66 F	0.45	0.53
6	0.70	1.45	-0.29	1.20	1.48	0.47	0.75	0.67	1.75	1.85	1.30	0.70
7	0.85	0.85	0.08	1.18	1.20	0.49	0.55	0.80	1.72	2.44	1.45	0.90
8	1.07	0.86	-0.13	1.55	1.19	0.45	1.25	1.05	2.03	2.90	1.48	0.30
9	1.28	0.90	0.04	0.90	1.35	0.61	1.17	1.23	1.97	2.29	1.32	0.25
10	1.78	1.18	0.20	0.35	0.93	0.68	0.95	1.33	1.59	2.00	1.10	0.37
11	2.59	1.20	0.60	-0.12	0.88	0.72	1.10	1.60	1.74	1.94	0.70	0.56
12	1.63	0.00	1.40	0.29	1.22	0.80	1.23	1.65	1.60	1.63	1.03	0.95
13	0.73	-0.41	-0.59	0.19	0.12	0.74	1.04	1.44	1.66	1.40	1.40	1.17
14	0.92	-0.31 F	-0.60	0.95	0.68	1.07	1.05	0.97	1.92	1.90	1.72	1.22
15	0.98	-0.09 F	-0.60	1.00	0.82	1.44	1.37	0.58	1.72	2.00	1.65	0.78
16	0.62	0.70	1.27	0.18	0.85	1.37	1.38	0.87	1.55	1.95	1.90	1.11
17	0.06	0.81	0.55	0.53	0.77	1.79	1.23	0.93	1.62	2.22	1.70	1.24
18	0.04	0.65	0.70	0.30	1.05	2.39	1.05	0.89	2.00	1.93	1.72	0.94
19	0.48	0.60	0.30	0.71	1.00	2.40	0.75	0.60	2.10 F	1.10	1.35	0.87
20	1.30	0.30	1.23	1.30		2.28	0.56	0.75	2.04 F	2.35	1.08	1.36
21	1.52	1.00	1.08	0.90		1.79	0.73	0.88	2.25	2.60	1.50	0.32
22	1.12	0.90	1.08	0.54		1.61	0.90	0.51	2.14		1.04	0.46
23	1.13	1.48	0.70	0.21		1.40	0.62	0.63	2.02		0.56	0.34
24	1.36	1.25	0.85	0.78		1.38	0.72	0.82	1.55 F	1.20	0.18	0.51
25	2.91	1.30	1.10	1.21		1.15	1.28	1.66	1.40		0.08	-0.34
26	1.99	1.57	0.75	0.90 F	1.85	1.31	1.13	1.93	1.06 F	1.53	0.24	-0.37
27	1.00	0.80	0.40	1.17	1.30	1.65	1.18	1.68	1.25	1.08	0.41	-0.44
28	0.10	0.40	0.35	0.91	1.55	1.60	1.23	1.65	1.45	0.76	0.40	0.23
29	0.49	-----	0.02	1.13	1.35	1.30	1.40	1.10	1.34	0.80	0.20	0.30
30	1.00	-----	0.15	1.28	1.29	1.06	1.40	1.26	1.66 F	0.60	0.35	0.84
31	0.10	-----	-0.05	-----	1.35	-----	1.08	1.22	-----	0.05	-----	0.81

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.01	0.73	0.34	0.74	1.23	1.25	1.00	1.07	1.67	1.64	0.96	0.74
MAX	2.91	1.57	1.40	2.50	2.10	2.40	1.40	1.93	2.25	2.90	1.90	2.15
MIN	0.04	-0.41	-0.60	-0.78	0.12	0.45	0.55	0.51	0.99	0.05	0.08	-0.44
DAYS	31	28	31	30	25	30	31	31	30	28	29	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 355

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.03.

HIGHEST STAGE WAS 3.80 AT 9:00 P.M. ON MAR 12.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS MINUS 0.78 ON APR 1.

## DAILY STAGE FOR 1993

INNER HARBOR NAVIGATION CANAL (IHW) AT NEW ORLEANS, LA.

LOCATION. LAT. 29-57-52, LONG. 90-01-42. LAKE END OF INNER HARBOR NAVIGATION CANAL LOCK.  
(STA. 7616007.)

GAGE. STAFF TYPE.

GENERAL INFORMATION. PRIOR TO 1975 GAGE ZERO WAS MINUS 32.19 FEET, NGVD.

RECORDS AVAILABLE. MAY 17, 1922 TO DATE.

EXTREMES. HIGHEST, 10.61 FEET (FROM HIGHWATER MARK) (CAUSED BY HURRICANE BETSY) ON SEP. 10, 1965.  
LOWEST, MINUS 2.00 FEET ON APR 12, 1988. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.0	0.1	-0.5	0.8	1.0	1.3	0.5	0.5	1.2	1.5	-0.2	1.5
2	0.1	0.4	-0.4	0.6	2.0	1.2	0.6	0.8	1.8	1.5	0.2	2.0
3	0.5	1.1	-0.2	0.2	1.0	1.2	0.4	0.8	1.4	1.5	1.2	2.0
4	1.2	1.3	0.0	2.5	1.5	0.5	0.5	0.8	1.0	1.3	1.4	2.0
5	0.5	1.1	-0.1	1.2	1.7	0.2	0.5	0.7	1.8	1.5	1.1	0.1
6	0.7	1.5	0.0	1.2	1.5	1.1	0.5	0.6	1.6	1.8	1.5	-0.1
7	1.1	0.5	0.2	1.1	0.0	1.0	0.4	0.7	1.8	2.3	1.5	0.6
8	1.2	0.8	0.4	1.5	1.0	0.1	0.4	1.0	2.0	2.8	1.8	0.2
9	1.0	0.5	0.0	1.4	0.9	0.5	0.8	1.2	2.0	2.3	1.2	0.1
10	1.9	1.4	0.2	0.3	0.7	0.5	0.6	1.3	1.5	1.8	1.5	0.2
11	2.8	2.1	0.5	-0.8	0.6	0.5	1.0	1.6	1.5	1.8	0.5	0.5
12	1.8	0.0	1.3	-0.9	1.1	0.6	1.0	1.7	1.5	1.5	1.8	1.0
13	0.8	-0.5	-0.7	0.0	0.2	0.5	0.9	1.4	1.4	1.3	1.5	1.1
14	1.4	-0.3	-0.5	0.9	0.5	1.0	1.1	1.0	1.7	2.0	1.6	1.2
15	0.8	0.0	-0.1	1.9	0.5	1.2	1.3	1.0	1.7	2.0	1.5	0.8
16	0.6	0.6	1.0	0.0	0.7	1.4	0.8	0.8	1.2	2.2	1.8	1.2
17	0.0	0.8	0.5	0.1	0.6	0.5	1.0	0.7	1.7	2.2	2.0	1.2
18	0.0	1.4	0.8	0.0	0.5	1.5	0.7	0.8	2.2	2.0	1.6	1.0
19	0.5	1.3	0.8	0.5	0.7	2.2	0.5	0.6	2.3	2.0	1.1	1.0
20	1.2	1.2	1.4	1.3	1.2	2.0	0.4	0.6	2.2	1.5	1.0	1.5
21	2.0	1.0	0.9	1.0	1.0	1.7	0.8	0.7	2.3	2.6	1.5	0.8
22	1.5	1.0	1.0	0.5	1.4	1.5	0.8	0.6	0.2	2.0	1.0	0.8
23	1.2	1.5	0.6	-0.1	0.8	1.2	0.6	0.8	2.0	2.5	0.6	0.3
24	1.7	1.3	0.9	0.5	1.2	1.2	0.6	0.8	1.4	2.3	0.0	0.6
25	2.8	1.3	1.0	1.0	1.2	1.2	1.1	1.5	1.4	1.6	1.0	-0.2
26	1.9	1.5	0.8	1.0	1.0	1.0	1.1	1.8	0.9	1.2	0.2	-0.5
27	1.4	0.6	1.0	0.8	1.5	1.3	1.1	1.5	1.2	1.2	0.5	-0.4
28	0.4	0.0	1.2	0.7	0.5	1.5	1.0	1.4	1.3	1.2	0.3	-0.2
29	0.6	-----	0.1	1.0	1.5	1.0	0.4	1.0	1.2	1.0	1.0	0.8
30	0.8	-----	0.2	1.3	1.4	1.0	1.0	0.8	1.8	0.5	0.3	1.3
31	0.2	-----	0.9	-----	1.3	-----	0.5	1.2	-----	-0.1	-----	1.0

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.1	0.8	0.4	0.7	1.0	1.1	0.7	1.0	1.6	1.7	1.1	0.8
MAX	2.8	2.1	1.4	2.5	2.0	2.2	1.3	1.8	2.3	2.8	2.0	2.0
MIN	0.0	-0.5	-0.7	-0.9	0.0	0.1	0.4	0.5	0.2	-0.1	-0.2	-0.5
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 1.0.  
 HIGHEST STAGE WAS 2.8 ON JAN 11 AND LATER DATE(S).  
 LOWEST STAGE WAS MINUS 0.9 ON APR 12.

## DAILY STAGE FOR 1993

## INTRACOASTAL WATERWAY AT HARVEY LOCK (LA.)

LOCATION. LAT. 29-54-31, LONG. 90-05-02. ON LOCK TAILBAY (CANALSIDE) WALL. (STA. 7620007.)

GAGE. WIRE WEIGHT TYPE.

GENERAL INFORMATION. PRIOR TO 1974 GAGE ZERO WAS AT M.L.G.

RECORDS AVAILABLE. JAN. 1, 1925 TO DATE.

EXTREMES. HIGHEST, 4.74 FEET (CAUSED BY HURRICANE) ON OCT. 29, 1985. LOWEST, MINUS 1.28 FEET ON JAN. 26 AND 27, 1940. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.86	0.47	0.40	1.50	1.78	1.04	1.18	0.56	0.75	1.13	0.47	-0.60
2	0.20	0.36	0.89	0.51	1.66	0.77	0.93	0.64	0.56	1.40	0.51	0.78
3	0.38		1.40	-0.23	1.75	0.96	0.88	0.64	1.35	1.23	0.83	1.14
4	1.20	0.76	1.23	1.33	1.60	1.01	1.12	0.81	1.25	1.32	0.85	1.40
5	1.30	0.89	0.90	0.96	1.40	0.98	1.00	0.96	1.05	1.03	1.12	1.15
6	1.40	0.73	0.65	0.66	1.34	1.36	1.19	1.16	1.20	1.26	0.83	1.07
7	1.03	0.40	0.53	0.54	1.41	0.97	1.15	1.19	1.26	1.36	0.10	0.45
8	1.08	0.41	0.43	0.88	1.20	1.39	0.90	1.16	1.28	1.47	0.48	0.68
9	1.05	0.53	0.32	1.39	1.49	1.37	0.95	1.11	1.18	1.59	0.47	0.86
10	1.17	0.66	0.27	0.94	1.39	1.41	0.65	0.95	1.25	1.17	0.59	0.97
11	2.33	1.46	0.11	1.02	1.69	1.14	0.85	1.09	1.10	1.08	0.75	1.06
12		1.33	0.29	0.95	1.39	1.01	0.75	1.00	1.05	1.15	0.87	0.68
13	0.87	0.70	0.10	1.06	1.25	0.84	0.76	0.85	1.33	1.36	0.34	1.08
14	0.55	0.51	-0.40	1.25	0.89	0.74	1.46	0.85	1.57	1.66	0.66	1.64
15	0.68	0.75	0.07	1.64	0.86	0.76	0.98	0.61	1.69	1.34	0.73	1.04
16	0.94	1.21	0.46	0.99	0.99	0.85	0.95	0.90	1.44	1.50	1.73	0.78
17	0.81	0.58	1.11	0.79	0.96	1.15	0.90	0.95	1.16	1.77	1.74	0.76
18	0.97	0.55	0.62	0.68	1.00	1.40	0.85	0.60	1.40	1.69	1.15	0.49
19	1.01	0.30	0.70	0.70	1.02	1.50	0.85	0.75	1.49	1.86	1.16	0.64
20	1.55	0.86	0.88	1.28	0.78	1.95	0.80	1.00	1.74	1.63	0.73	1.16
21	1.52	1.04	0.86	1.01	0.78	2.00	0.75	1.00	1.58	1.88	0.35	0.69
22	1.27	0.78	0.94	0.45	0.81	1.75	0.65	0.99	1.39	1.38	0.44	0.49
23	1.33	0.85	0.93	0.54	0.97	1.69	0.70	0.84	0.60	1.05	0.58	0.38
24	1.15	0.61	0.69	0.95	0.18	1.67	0.54	0.83	1.37	1.23	0.67	0.41
25	0.49	0.96	0.74	0.95	1.56	1.67	0.69	0.53	1.48	1.31	0.63	0.40
26	0.41	0.80	0.85	0.95	1.45	1.50	0.80	0.86	1.43	1.39	1.14	0.25
27	0.12	0.45	0.45	0.99	1.36	1.42	0.79	1.04	1.23	1.26	-0.80	0.23
28	0.48	0.46	0.57	0.80	1.56	1.30	0.81	0.94	0.66	0.91	-0.26	0.42
29	0.48	-----	0.76	0.98	1.36	1.52	0.75	0.85	-0.93	1.29	-0.27	0.73
30	0.28	-----	0.90	1.45	1.50	1.11	0.71	0.79	0.90	1.31	-0.69	0.85
31	0.36	-----	0.36	-----	1.18	-----	0.85	0.87	-----	0.78	-----	0.68

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.91	0.72	0.61	0.93	1.24	1.27	0.88	0.88	1.16	1.35	0.60	0.73
MAX	2.33	1.46	1.40	1.64	1.78	2.00	1.46	1.19	1.74	1.88	1.74	1.64
MIN	0.12	0.30	-0.40	-0.23	0.18	0.74	0.54	0.53	-0.93	0.78	-0.80	-0.60
DAYS	30	27	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 363

THE MEAN STAGE FOR THE YEAR WAS 0.94.

HIGHEST STAGE WAS 2.33 ON JAN 11.

LOWEST STAGE WAS MINUS 0.93 ON SEP 29.

## DAILY STAGE FOR 1993

## INTRACOASTAL WATERWAY AT ALGIERS LOCK (LA.)

LOCATION. LAT. 29-54-43, LONG. 89-58-28. ON SOUTHWEST CORNER OF LOCK TAILBAY (CANALSIDE)  
WALL. (STA. 7624004.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. PRIOR TO 1974 GAGE ZERO WAS MINUS 0.22 FOOT, M.L.G.

RECORDS AVAILABLE. MAY 1, 1956 TO DATE.

EXTREMES. HIGHEST, 4.45 FEET (CAUSED BY HURRICANE) ON OCT. 29, 1985. LOWEST, MINUS 1.64 FEET  
(CAUSED BY HURRICANE) ON SEP. 9, 1965. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.20	0.36	0.31	0.92	1.70	0.99	0.99	0.79	0.80	1.07	0.37	0.45
2	0.05	0.25	0.75	0.31	1.37	0.83	0.88	0.92	0.83	1.29	0.40	0.60
3	0.25	0.30	1.21	0.20	1.40	0.94	0.75	0.97	1.12	1.00	0.65	0.90
4	0.82	0.50	1.17	0.99	1.34	1.02	0.82	0.92	1.19	0.95	0.80	1.29
5	0.99	0.80	0.80	0.80	1.10	1.10	0.99	0.97	0.99	1.08	1.15	0.87
6	0.90	0.82	0.50	0.50	1.10	1.01	1.02	1.09	1.02	1.15	0.70	0.70
7	0.80	0.39	0.50	0.55	1.11	1.08	1.00	1.20	1.14	0.92	0.05	0.32
8	1.00	0.11	0.42	0.70	1.09	1.22	0.91	1.14	1.17	1.12	0.40	0.59
9	0.95	0.30	0.31	1.23	1.19	1.20	0.64	1.30	1.18	1.32	0.45	0.60
10	0.95	0.55 F	0.50	0.85	1.30	1.17	0.87	1.41	1.02	1.38 F	0.37	0.82
11	2.45	1.35	0.04	0.92	1.40	1.05	0.84	1.45	0.87		0.65	0.78
12	1.40	1.24	0.11	0.88	1.16	0.87	0.85	1.40	0.91	1.00	0.79	0.49
13	0.95	0.80	-0.04	0.89	1.19	0.80	0.85	1.33	1.14	1.05	1.11	0.59
14	0.40	0.58	-0.59	1.05	0.65	0.66	0.91	1.37	1.35	1.22	1.43	1.30
15	0.68	0.66	-0.47	1.39	0.70	0.60	0.92	1.40	1.45	1.18	1.53	0.93
16	0.60	1.21	0.14	1.03	0.75	0.79	0.90	1.50	1.20	1.39	1.43	0.70
17	0.74	0.60	0.90	0.52	0.83	1.00	0.82	1.51	1.01	1.41	1.60	0.64
18	0.72	0.30	0.50	0.73	0.86	1.31	0.75	1.62	1.10	1.48	1.12	0.55
19	0.88	0.15	0.62	0.83	1.23	1.39	0.80	0.75	1.35	1.54	1.17	0.52
20	1.25	0.60	0.80	1.07	0.81	1.60	0.80	0.80	1.29	1.58	0.67	1.05
21	1.35	0.94	0.78	0.96	0.80	1.68	0.70	0.81	1.38	1.70	0.34	0.51
22	1.20	0.80	0.90	0.55	0.79	1.57	0.69	0.79	1.39	1.20	0.45	0.50
23	1.00	0.48	0.69	0.43	1.10	1.50	0.70	0.74	1.21	0.88	0.49	0.32
24	0.91 F	0.55	0.75	0.75	1.31	1.42	0.70	0.64	1.32	0.85	0.47	0.23
25	0.59	0.90	0.85	0.82	1.50	1.50	0.70	0.53	1.30	1.10	0.43	0.52
26	0.48	0.89	0.91	0.64	1.40	1.30	0.70	0.60	1.30	1.22	0.51	0.45
27	0.01	1.26	0.75	0.58	1.40	1.01	0.70	0.90	1.08	1.15	0.03	0.15
28	0.52	0.37	0.45	0.65	1.40	1.00	0.90	0.99	0.50	0.80	-0.10	0.39
29	0.33	-----	0.54	1.00	1.30	0.98	0.78	0.97	0.60	1.04	0.20	0.51
30	0.11	-----	0.85	1.11	1.36	0.93	0.74	0.97	0.83	1.35	0.49	0.45
31	0.20	-----	1.22	-----	1.25	-----	0.69	0.76	-----	0.61	-----	0.22

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.76	0.64	0.55	0.79	1.16	1.12	0.81	1.05	1.10	1.17	0.67	0.61
MAX	2.45	1.35	1.22	1.39	1.70	1.68	1.02	1.62	1.45	1.70	1.60	1.30
MIN	0.01	0.11	-0.59	0.20	0.65	0.60	0.62	0.53	0.50	0.61	-0.10	0.15
DAYS	31	28	31	30	31	30	31	31	30	30	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 0.87.

HIGHEST STAGE WAS 2.79 AT 3:00 A.M. ON JAN 11.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS MINUS 0.59 ON MAR 14.



## DAILY STAGE FOR 1993

## BAYOU PETIT CAILLOU AT COCODRIE, LA.

LOCATION. LAT. 29-14-43, LONG. 90-39-48. ON LOUISIANA LAND AND EXPLORATION COMPANY WHARF ON NORTH BANK OF LITTLE COCODRIE BAYOU, 600 FEET WEST OF JUNCTION WITH BAYOU PETIT CAILLOU, AND AT THE END OF STATE HIGHWAY 56. (STA. 7630507.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO 1987 GAGE ZERO WAS 0.19 FOOT NGVD.

RECORDS AVAILABLE. MAR. 1969 TO SEP. 8, 1974 AND JAN. 20, 1975 TO DATE.

EXTREMES. HIGHEST, 11.64 FEET (FROM HIGH WATER MARK) IN 1974. LOWEST, MINUS 2.95 FEET ON DEC. 23, 1989. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	-0.64	-0.99	-0.06	-0.39	0.59	0.68	1.01	0.50				-0.27
2	-0.55	-0.58	0.24	-0.76	0.70	1.42	1.02	0.75				0.10
3	-0.29	-0.52	0.25	0.07	0.91	1.29	0.97	0.67				0.56
4	-0.04	-0.38	-0.84	-0.14	1.10	1.32	1.21	0.53				0.72
5	-0.61	-0.49	-1.32	-0.13	1.27	1.28	1.07	0.43				0.22
6	-0.88	-0.93	-1.34	0.29	1.25	1.06	1.01	0.43				0.06
7	-0.88	-0.90	-0.99	0.66	1.17	1.27	0.74	0.60				0.22
8	-0.55	-0.57	-0.66	0.47	1.18	1.42	0.50	0.37				-0.19
9	-0.25	-0.17	-0.40	0.37	1.21	1.20	0.76	0.32				-0.06
10	0.14	0.29	-0.01	0.25	0.92	0.90	0.61	0.39				-0.16
11	-0.02	0.79	-0.02	0.15	0.23	0.76	0.47	0.54				-0.74
12	0.42	-0.08	0.41	-0.12	0.56	0.75	0.76	0.90				-0.36
13	-0.71	-0.72	-1.53	0.06	-0.03	0.64	0.76	0.90				0.30
14	-0.06	-0.50	-0.53	0.46	0.18	0.53	0.89	0.89				-0.61
15	0.37	-0.34	-0.65	0.11	0.43	0.94	0.91	0.72				-0.50
16	-0.14	-0.22	0.58	-0.44	0.61	1.29	0.93	0.56				0.18
17	-0.27	-0.93	-0.81	-0.36	0.64	1.67	0.92	0.41				-0.05
18	-0.58	-0.81	-0.35	-0.27	1.05	1.97	1.03	0.48			-0.01	-0.09
19	-0.78	-0.54	-0.18	0.39	0.83	2.32	0.87	0.30			0.24	0.06
20	-0.46	-0.63	-0.15	0.59	0.94	2.11	0.61	-0.03			-0.60	0.60
21	-0.41	0.26	-0.11	-0.25	1.04	1.68	0.25	0.02			0.24	-0.32
22	-0.57	-0.14	0.15	0.18	1.25	1.53	0.27				-0.14	0.13
23	-0.21	-0.04	0.14	0.50	1.41	1.41	0.09				-0.23	-0.33
24	-0.11	0.14	-0.02	0.70	1.26	1.24	0.16				-0.37	-0.35
25	0.11	0.50	0.52	0.72	1.06	1.05	0.24				-0.62	-1.03
26	0.03	0.12	0.45	0.25	0.86	0.86	0.24				-0.75	-0.85
27	0.04	0.24	0.34	0.18	0.93	0.93	0.64				-0.89	-1.30
28	-0.16	0.08	0.40	0.44	1.12	1.11	0.84				-0.44	-0.94
29	-0.32	-----	0.37	0.71	1.07	1.17	0.79				-0.81	-0.76
30	-0.08	-----	0.48	0.58	0.95	1.03	0.90				-0.74	-0.88
31	-0.33	-----	0.23	-----	0.88	-----	0.62		-----		-----	-0.18

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	-0.28	-0.29	-0.17	0.18	0.89	1.23	0.71	0.51			-0.39	-0.22
MAX	0.42	0.79	0.58	0.72	1.41	2.32	1.21	0.90			0.24	0.72
MIN	-0.88	-0.99	-1.53	-0.76	-0.03	0.53	0.09	-0.03			-0.89	-1.30
DAYS	31	28	31	30	31	30	31	21	0	0	13	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 277

THE MEAN STAGE FOR THE YEAR WAS 0.25.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 2.46 AT 11:00 A.M. ON JUN 19.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS MINUS 1.80 ON MAR 12.

## DAILY STAGE FOR 1993

## INTRACOASTAL WATERWAY AT HOUMA, LA.

LOCATION. LAT. 29-35-56, LONG. 90-42-37. ON WEST BANK 60 FEET SOUTH OF GRAND CALLIOU ROAD BRIDGE OVER THE INTRACOASTAL WATERWAY. (STA. 7632007.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO 1977 GAGE ZERO WAS M.L.G.

RECORDS AVAILABLE. JULY 18, 1941 TO MAR. 25, 1945, NOV. 6 TO 19, 1945, AND FEB. 27, 1946 TO DATE.

EXTREMES. HIGHEST, 5.17 FEET (CAUSED BY HURRICANE) ON OCT. 29, 1985. LOWEST, (FROM INCOMPLETE RECORDS) MINUS 0.80 FOOT ON DEC. 24, 1989. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ. )

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.80	1.74	1.65	1.87	2.27	2.17	2.02	1.63	1.85	1.95	1.72	1.70
2	1.65	1.74	1.83	1.61	2.76	2.25	1.90	1.65	1.93	2.06	1.63	1.87
3	1.77	1.85	2.18	1.54	2.77	2.22	1.84	1.70	2.05	1.91	1.74	2.15
4	2.14	2.02	2.15	2.05	2.65	2.22	1.85	1.73	1.95	1.91	1.95	2.29
5	2.26	2.15	1.90	2.01	2.56	2.24	1.95	1.75	1.96	1.98	2.01	1.90
6	2.17	2.06	1.66	1.85	2.52	2.19	1.96	1.83	2.09	2.12	1.81	1.79
7	2.12	1.87	1.63	1.88	2.45	2.15	1.93	1.92	2.18	2.14	1.25	1.57
8	2.31	1.80	1.62	2.15	2.40	2.22	1.80	1.93	2.21	2.30	1.52	1.59
9	2.32	1.84	1.55	2.46	2.45	2.25	1.86	1.87	2.20	2.39	1.50	1.65
10	2.33	1.91	1.52	2.24	2.50	2.23	1.85	1.85	2.15	2.09	1.45	1.75
11	2.48	2.28	1.47	2.17	2.53	2.14	1.89	1.85	2.10	2.05	1.56	1.84
12	2.47	2.27	1.51	2.11	2.39	2.06	1.86	1.91	2.05	2.00	1.78	1.75
13	2.25	1.95	1.29	2.05	2.35	1.99	1.93	1.95	2.23	2.20	2.07	2.09
14	2.02	1.83	0.97	2.18	2.15	1.88	2.05	1.89	2.44	2.25	2.30	2.18
15	2.21	1.85	1.00	2.44	2.08	1.91	1.99	1.84	2.40	2.15	2.34	1.94
16	2.13	2.18	1.70	2.17	2.11	2.02	1.98	1.74	2.26	2.23	2.36	1.90
17	2.06	1.93	1.95	2.02	2.10	2.15	1.94	1.65	2.13	2.32	2.45	1.75
18	2.11	1.81	1.80	1.97	2.17	2.35	1.86	1.66	2.15	2.40	2.15	1.71
19	2.11	1.63	1.76	2.00	2.15	2.51	1.85	1.75	2.36	2.46	2.04	1.72
20	2.35	1.80	1.80	2.22	2.04	2.65	1.78	1.76	2.45	2.58	1.80	2.00
21	2.46	2.07	1.80	2.15	2.07	2.60	1.66	1.79	2.44	2.60	1.47	1.75
22	2.38	2.00	1.80	1.87	2.05	2.54	1.67	1.80	2.36	2.37	1.40	1.65
23	2.33	1.82	1.75	1.85	2.15	2.50	1.71	1.79	2.31	2.20	1.35	1.65
24	2.32	1.81	1.67	1.99	2.26	2.60	1.66	1.76	2.24	2.20	1.42	1.59
25	2.25	2.13	1.67	2.10	2.35	2.50	1.65	1.70	2.19	2.21	1.40	
26	2.07	2.00	1.75	2.14	2.33	2.39	1.69	1.90	2.20	2.24	1.39	
27	1.85	1.74	1.68	2.01	2.36	2.26	1.78	2.05	2.00	2.04	1.18	
28	1.84	1.75	1.66	2.07	2.40	2.29	1.82	1.94	1.65	1.82	1.40	
29	1.80	-----	1.66	2.20	2.41	2.20	1.81	1.87	1.70	2.05	1.32	
30	1.79	-----	1.80	2.27	2.35	2.15	1.79	1.85	1.83	2.44	1.48	
31	1.72	-----	2.01	-----	2.31	-----	1.68	1.88	-----	2.01	-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.12	1.92	1.68	2.05	2.35	2.26	1.84	1.81	2.14	2.18	1.71	1.82
MAX	2.48	2.28	2.18	2.46	2.77	2.65	2.05	2.05	2.45	2.60	2.45	2.29
MIN	1.65	1.63	0.97	1.54	2.04	1.88	1.65	1.63	1.65	1.82	1.18	1.57
DAYS	31	28	31	30	31	30	31	31	30	31	30	24

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 358

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.99.

HIGHEST STAGE WAS 2.83 AT NOON ON JUN 23.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 0.95 ON MAR 14.



## DAILY STAGE FOR 1993

## BAYOU BOEUF (IWW) AT BAYOU BOEUF LOCK (LA.) (EAST)

LOCATION. LAT. 29-40-59, LONG. 91-10-25. ON GUARDRAIL AT LANDSIDE END OF LOCK, 2.5 MILES EAST OF MORGAN CITY, LA. (STA. 7636010.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. PRIOR TO 1976 GAGE ZERO WAS M.L.G.

RECORDS AVAILABLE. SEP. 8, 1954 TO DATE.

EXTREMES. HIGHEST, 4.68 FEET ON APR. 17, 1973. LOWEST, MINUS 1.14 FEET ON DEC. 24, 1989. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	G 2.15	G 2.72	G 2.11	G 2.81	G 3.60	G 3.45	2.89	2.60		G 2.24	2.01	2.39
2	G 2.09	G 2.71	G 2.21	G 2.80	G 3.74	G 3.44	2.80	2.61		G 2.33	2.00	1.90
3	G 2.15	G 2.80	G 2.48	G 2.78	G 3.78	G 3.44	2.71	2.40	G 2.78	G 2.25	G 2.03	2.50
4	G 2.15	G 2.81	G 2.50	G 2.90	G 3.67	G 3.48	2.72	2.40	G 2.72	G 2.20	G 2.10	2.52
5	G 2.30	G 2.97	G 2.50	G 3.02	G 3.67	G 3.43	2.73	2.40	G 2.73	G 2.25	G 2.13	2.49
6	G 2.20	G 2.85	G 2.50	G 2.99	G 3.66	G 3.34	2.70	2.50	G 2.70	G 2.34	G 1.89	2.50
7	G 2.20	G 2.85	G 2.51	G 2.99	G 3.60	G 3.31	2.62	2.60	G 2.69	G 2.36	G 1.47	2.42
8	G 2.60	G 2.80	G 2.59	G 3.15	G 3.61	G 3.30	2.52	2.60	G 2.69	G 2.50	G 1.70	2.46
9	G 2.60	G 2.80	G 2.60	G 3.34	G 3.61	G 3.30	2.61	2.60	G 2.61	G 2.52	G 1.69	2.45
10	G 2.70	G 2.80	G 2.60	G 3.20	G 3.62	G 3.21	2.69	2.67	G 2.60	G 2.48	G 1.60	2.50
11	G 2.70	G 2.91	G 2.62	G 3.21	G 3.59	G 3.12	2.69	2.67	G 2.50	G 2.42	G 1.70	2.59
12	G 2.70	G 2.91	G 2.40	G 3.25	G 3.51	G 3.04	2.63	2.69	G 2.49	G 2.44	G 1.89	2.52
13	G 2.70	G 2.64	G 2.20	G 3.24	G 3.58	G 2.99	2.60	2.71	G 2.54	G 2.50	G 2.01	2.65
14	G 2.79	G 2.58	G 2.12	G 3.32	G 3.50	G 2.90	2.60	2.71	G 2.40	G 2.54	G 2.20	2.60
15	G 2.70	G 2.55	G 2.23	G 3.62	G 3.49	G 2.81	2.62	2.71	G 2.80	G 2.59	G 2.28	2.60
16	G 2.72	G 2.75	G 2.41	G 3.39	G 3.49	G 2.81	2.65	2.70	G 2.70	G 2.59	G 2.00	2.70
17	G 2.71	G 2.50	G 2.51	G 3.40	G 3.45	G 2.83	2.63		G 2.51	G 2.62	G 2.48	2.70
18	G 2.78	G 2.49	G 2.54	G 3.45	G 3.49	G 2.85	2.64		G 2.49	G 2.69	G 1.96	2.60
19	G 2.80	G 2.31	G 2.60	G 3.40	G 3.49	G 2.96	2.63		G 2.54	G 2.70	G 2.09	2.70
20	G 2.81	G 2.49	G 2.55	G 3.49	G 3.40	G 3.02	2.60		G 2.59	G 2.72	G 1.89	2.70
21	G 2.96	G 2.43	G 2.61	G 3.39	G 3.41	G 3.07	2.56		G 2.59	G 2.79	G 1.59	2.60
22	G 2.85	G 2.42	G 2.68	G 3.30	G 3.40	G 2.95	2.55		G 2.52	G 2.50	G 1.71	2.61
23	G 2.87	G 2.28	G 2.69	G 3.40	G 3.42	G 3.00	2.60		G 2.50	G 2.34	G 1.75	2.65
24	G 2.99	G 2.25	G 2.70	G 3.43	G 3.44	G 3.02	2.57		G 2.47	G 2.41	G 1.88	2.60
25	G 2.80	G 2.33	G 2.73	G 3.42	G 3.50	G 2.99	2.55		G 2.42	G 2.50	G 1.91	2.60
26	G 2.80	G 2.40	G 2.82	G 3.46	G 3.48	G 2.96	2.55		G 2.48	G 2.59	G 1.93	2.59
27	G 2.70	G 2.11	G 2.80	G 3.40	G 3.50	G 2.90	2.54		G 2.38	G 2.28	G 1.83	2.53
28	G 2.80	G 2.19	G 2.80	G 3.42	G 3.53	G 2.94	2.59		G 2.01	G 2.03	G 1.92	2.55
29	G 2.74	-----	G 2.80	G 3.49	G 3.53	G 2.90	2.59		G 2.11	G 2.27	G 2.09	2.53
30	G 2.71	-----	G 2.80	G 3.50	G 3.54	G 2.90	2.61		G 2.19	G 2.49	G 2.14	2.40
31	G 2.70	-----	G 2.85	-----	G 3.51	-----	2.64		-----	G 2.08	-----	2.30

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.63	2.60	2.55	3.27	3.54	3.09	2.63	2.60	2.53	2.44	1.93	2.53
MAX	2.99	2.97	2.85	3.62	3.78	3.48	2.89	2.71	2.80	2.79	2.48	2.70
MIN	2.09	2.11	2.11	2.78	3.40	2.81	2.52	2.40	2.01	2.03	1.47	1.90
DAYS	31	28	31	30	31	30	31	16	28	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 348

F=NOT AT STATED TIME G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 2.70.

HIGHEST STAGE WAS 4.01 AT 8:00 P.M. ON MAY 1.

LOWEST STAGE WAS 1.40 ON NOV 7.

## DAILY STAGE FOR 1993

## BAYOU BOEUF (IWW) AT BAYOU BOEUF LOCK (LA.) (WEST)

LOCATION. LAT. 29-40-59, LONG. 91-10-34. ON GUARDRAIL AT FLOODWAY END OF LOCK, 2.5 MILES EAST OF MORGAN CITY, LA. (STA. 7640010.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. PRIOR TO 1976 GAGE ZERO WAS M.L.G.

RECORDS AVAILABLE. SEP. 8, 1954 TO DATE.

EXTREMES. HIGHEST, 10.56 FEET ON MAY 27, 1973. LOWEST, MINUS 1.98 FEET ON NOV. 8, 1959. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	G 4.27 G	4.99 G	3.61 G	5.30 G	6.21 G	5.90 G	4.52 G	4.58 G	4.90 G	3.45 G	3.08 G	4.50
2	G 4.29 G	4.97 G	3.75 G	5.30 G	6.29 G	5.92 G	4.45 G	4.62 G	5.00 G	3.50 G	2.98 G	4.70
3	G 4.36 G	4.99 G	3.98 G	5.30 G	6.40 G	5.97 G	4.30 G	4.60 G	4.89 G	3.48 G	2.99 G	4.45
4	G 4.48 G	5.00 G	4.08 G	5.40 G	6.22 G	5.90 G	4.39 G	4.70 G	4.69 G	3.52 G	3.08 G	4.45
5	G 4.50 G	5.13 G	4.13 G	5.50 G	6.25 G	5.79 G	4.30 G	4.70 G	4.55 G	3.60 G	3.00 G	4.25
6	G 4.45 G	4.97 G	4.20 G	5.40 G	6.15 G	5.61 G	4.21 G	4.80 G	4.45 G	3.82 G	2.80 G	4.30
7	G 4.43 G	4.93 G	4.28 G	5.40 G	6.11 G	5.55 G	4.08 G	4.80 G	4.35 G	3.94 G	2.40 G	4.21
8	G 4.65 G	4.84 G	4.36 G	5.50 G	6.10 G	5.49 G	3.95 G	4.90 G	4.25 G	4.15 G	2.60 G	4.23
9	G 4.62 G	4.82 G	4.46 G	5.50 G	6.10 G	5.39 G	4.00 G	5.00 G	4.10 G	4.25 G	2.50 G	4.22
10	G 4.71 G	4.80 G	4.52 G	5.60 G	6.12 G	5.21 G	4.02 G	4.98 G	3.96 G	4.09 G	2.50 G	4.33
11	G 4.74 G	4.87 G	4.45 G	5.50 G	6.09 G	5.09 G	4.01 G	5.00 G	3.72 G	4.19 G	2.40 G	4.45
12	G 4.84 G	4.79 G	4.57 G	5.60 G	5.99 G	4.95 G	3.95 G	5.09 G	3.71 G	4.20 G	2.50 G	4.35
13	G 4.73 G	4.50 G	4.51 G	5.70 G	6.08 G	4.85 G	3.99 G	5.10 G	3.82 G	4.31 G	2.40 G	4.60
14	G 4.67 G	4.35 G	4.45 G	5.50 G	5.94 G	4.70 G	3.99 G	5.11 G	3.50 G	4.38 G	2.80 G	5.00
15	G 4.76 G	4.25 G	4.51 G	6.20 G	5.96 G	4.55 G	4.01 G	5.15 G	4.00 G	4.38 G	2.90 G	4.90
16	G 4.82 G	4.37 G	4.50 G	5.90 G	5.98 G	4.55 G	4.09 G	5.10 G	3.70 G	4.40 G	3.00 G	5.10
17	G 4.85 G	4.00 G	4.90 G	5.90 G	5.99 G	4.53 G	4.10 G	5.20 G	3.52 G	4.42 G	2.89 G	5.10
18	G 4.95 G	3.95 G	4.90 G	6.00 G	6.08 G	4.53 G	4.13 G	5.20 G	3.52 G	4.45 G	2.60 G	5.10
19	G 4.99 G	3.74 G	5.05 G	5.90 G	6.10 G	4.65 G	4.12 G	5.30 G	3.65 G	4.42 G	2.80 G	5.10
20	G 5.05 G	3.81 G	5.11 G	5.84 G	6.01 G	4.72 G	4.13 G	5.20 G	3.69 G	4.35 G	2.53 G	5.20
21	G 5.28 G	3.83 G	5.06 G	5.84 G	6.05 G	4.69 G	4.11 G	5.30 G	3.68 G	4.27 G	2.52 G	4.65
22	G 5.30 G	3.75 G	5.19 G	5.88 G	6.08 G	4.60 G	4.20 G	5.20 G	3.59 G	3.65 G	2.65 G	4.67
23	G 5.33 G	3.63 G	5.12 G	5.97 G	6.11 G	4.63 G	4.25 G	5.20 G	3.50 G	3.52 G	2.85 G	4.71
24	G 5.39 G	3.65 G	5.17 G	6.04 G	6.18 G	4.68 G	4.22 G	5.20 G	3.49 G	3.60 G	3.03 G	4.63
25	G 5.23 G	3.82 G	5.25 G	5.99 G	6.17 G	4.61 G	4.25 G	5.20 G	3.50 G	3.58 G	3.40 G	4.61
26	G 5.20 G	3.81 G	5.28 G	5.95 G	6.10 G	4.60 G	4.25 G	5.20 G	3.58 G	3.58 G	3.40 G	4.40
27	G 5.13 G	3.64 G	5.32 G	5.92 G	6.20 G	4.59 G	4.32 G	5.10 G	3.30 G	3.29 G	3.40 G	4.39
28	G 5.17 G	3.67 G	5.35 G	5.95 G	6.13 G	4.60 G	4.40 G	5.10 G	3.18 G	3.11 G	3.80 G	4.30
29	G 5.10	----- G	5.33 G	5.98 G	6.10 G	4.58 G	4.45 G	5.10 G	3.21 G	3.29 G	4.10 G	4.11
30	G 5.01	----- G	5.31 G	6.05 G	6.08 G	4.58 G	4.50 G	5.00 G	3.29 G	3.45 G	4.30 G	3.71
31	G 5.00	----- G	5.38	----- G	6.02	----- G	4.52 G	5.00	----- G	3.08	----- G	3.69

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	4.85	4.35	4.71	5.73	6.11	5.00	4.20	5.02	3.88	3.86	2.94	4.53
MAX	5.39	5.13	5.38	6.20	6.40	5.97	4.52	5.30	5.00	4.45	4.30	5.20
MIN	4.27	3.63	3.61	5.30	5.94	4.53	3.95	4.58	3.18	3.08	2.40	3.69
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 4.60.

HIGHEST STAGE WAS 6.42 AT 11:00 A.M. ON MAY 3.

LOWEST STAGE WAS 2.24 ON NOV 21.

## DAILY STAGE FOR 1993

## INTRACOASTAL WATERWAY AT WAX LAKE EAST CONTROL STRUCTURE (LA.)

LOCATION. LAT. 29-38-27, LONG. 91-19-22. ON FLOODWAY SIDE (SOUTH) FACE OF STRUCTURE AT WAX LAKE EAST PROTECTION LEVEE, 4.7 MILES SOUTHEAST OF CALUMET, LA. (STA. 7644010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JULY 19, 1955 TO JULY 17, 1979, AND JUNE 22, 1982 TO DATE.

EXTREMES. HIGHEST, 8.52 FEET (CAUSED BY HURRICANE) ON JUNE 27, 1957. LOWEST, MINUS 2.08 FEET ON JAN. 11, 1956.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3.41	3.89	3.05	4.29	4.96	4.58	3.52					
2	3.42	3.87	3.10	4.22	5.14	4.51	3.49					
3	3.49	3.94	3.33	4.18	5.14	4.52	3.35					
4	3.66	3.98	3.39	4.36	5.05	4.52	3.35					
5	3.84	4.09	3.37	4.48	4.89	4.53	3.50					
6	3.76	4.08	3.35	4.37	4.88	4.41	3.44					
7	3.72	3.95	3.35	4.40	4.84	4.31	3.26					
8	3.85	3.87	3.37	4.64	4.85	4.27	3.14					
9	3.83	3.83	3.41	4.67	4.90	4.24	3.16					
10	3.85	3.82	3.46	4.55	4.97	4.15	3.28					
11	3.84	3.92	3.49	4.55	4.91	3.99	3.24					
12	3.76	3.96	3.50	4.50	4.77	3.87	3.14					
13	3.75	3.70	3.52	4.50	4.77	3.83	3.23					
14	3.65	3.55	3.36	4.49	4.70	3.74	S					
15	3.71	3.48	3.38	4.91	4.66	3.63						
16	3.75	3.61	3.66	4.73	4.65	3.56						
17	3.76	3.40	3.90	4.65	4.65	3.53						
18	3.83	3.25	3.89	4.66	4.64	3.52						
19	3.85	3.11	3.96	4.65	4.66	3.69						
20	3.87	3.15	3.99	4.70	4.71	3.94						
21	4.05	3.15	4.01	4.74	4.72	3.99						
22	4.05	3.14	4.07	4.64	4.73	3.86						
23	4.05	3.09	4.10	4.65	4.76	3.80						
24	4.06	3.06	4.13	4.77	4.89	3.77						
25	4.03	3.11	4.15	4.86	4.90	3.77						
26	4.01	3.23	4.20	4.86	4.82	3.75						
27	3.95	3.05	4.21	4.79	4.81	3.72						
28	3.96	3.06	4.24	4.82	4.76	3.63						
29	3.94	-----	4.24	4.86	4.73	3.60						
30	3.93	-----	4.26	4.91	4.70	3.59						
31	3.89	-----	4.29	-----	4.65	-----			-----		-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	3.82	3.55	3.73	4.61	4.81	3.96	3.32					
MAX	4.06	4.09	4.29	4.91	5.14	4.58	3.52					
MIN	3.41	3.05	3.05	4.18	4.64	3.52	3.14					
DAYS	31	28	31	30	31	30	13	0	0	0	0	0

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 194

S=DISCONTINUED

THE MEAN STAGE FOR THE YEAR WAS 4.04.

HIGHEST STAGE WAS NOT DETERMINED.

LOWEST STAGE WAS NOT DETERMINED.

## DAILY STAGE FOR 1993

WAX LAKE EAST BORROW PIT (LS) NEAR CALUMET, LA. (NORTH)

LOCATION. LAT. 29-42-08, LONG. 91-22-04. ON EAST WALL AT NORTH END OF SIPHON UNDER BAYOU TECHE, 300 FEET EAST OF EAST CALUMET FLOODGATE. (STA. 7646010.)

GAGE. STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1970, 1972, AND 1974 TO DATE.

STAGE IN FEET							GAGE ZERO IS AT NGVD (1983 ADJ.)					
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1												
2		-2.40	-2.60			-2.40					-2.35	
3												
4					-2.30							
5	-2.70									-2.55		
6				-2.30			-2.40					
7						-2.45					-2.20	-2.85
8		-2.30										
9												
10								-2.20				
11	-2.30				-2.40					1.00		
12				-2.50			-2.45					
13												
14												1.70
15												
16			-2.30								-2.70	
17					-2.28							
18										-2.60		
19	-2.50											
20							-2.40					
21						-2.40			-2.15			-2.45
22												
23			-2.50					-2.10				
24					-2.40							
25												
26	-2.50			-2.60								
27										-2.35		
28												
29		-----				-2.50						
30		-----	-2.80						-----		-----	
31		-----		-----		-----						

## DAILY STAGE FOR 1993

## WAX LAKE EAST DRAINAGE AREA AT CONTROL STRUCTURE (LA.)

LOCATION. LAT. 29-38-32, LONG. 91-19-22. ON LANDSIDE (NORTH) FACE OF STRUCTURE AT WAX LAKE EAST PROTECTION LEVEE, 4.7 MILES SOUTHEAST OF CALUMET, LA. (STA. 7648010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JULY 19, 1955 TO DATE.

EXTREMES. HIGHEST, 2.15 FEET ON MAY 3, 1957. LOWEST, MINUS 3.70 FEET ON JUN. 3, 1986.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	-1.77	-2.02	-2.34			-2.07	-2.08	-2.02	-1.99	-1.70	-0.95	-1.50
2	-2.39	-1.85	-2.27			-2.05	-2.09	-1.95	-1.97	-1.88	-2.16	-1.63
3	-2.14	-2.35	-2.38			-2.07	-2.14	-1.97	-1.84	-1.89	-1.84	-1.91
4	-2.11	-2.16	-2.34			-2.04	-2.12	-2.19	-1.76	-1.97	-1.90	-1.91
5	-2.09	-2.03	-1.95		-2.41	-2.01	-2.15	-2.53	-1.86	-1.99	-1.88	-1.85
6	-2.24	-2.07	-2.00		-2.10	-1.98	-2.22	-2.58	-1.86	-1.99	-1.70	-1.96
7	-2.37	-2.15	-2.02		-2.15	-1.96	-2.14	-2.69	-1.66	-2.04	-1.13	-1.89
8	-1.98	-1.94	-1.85		-2.00	-1.94	-2.30	-2.74	-1.77	-2.13	-1.70	-2.09
9	-1.77	-2.09	-1.76		-1.96	-2.17	-2.13	-2.64	-2.39	-2.16	-1.94	-2.26
10	-2.30	-2.20	-2.10		-2.11	-2.14	-1.87	-2.72	-2.21	-2.05	-1.54	-2.36
11	-1.65	-1.94	-2.16		-2.03	-2.08	-1.64	-2.83	-2.13	-1.83	-1.60	-1.49
12	-1.99	-2.16	-2.01		-2.08	-2.05	-1.93	-2.81	-2.30	-2.14	-1.97	-1.22
13	-2.06	-1.98	-2.26		-1.92	-2.02	-1.57	-2.76	-2.39	-2.20	-2.07	-1.72
14	-2.01	-1.88	-1.39		-1.80	-2.16	-1.64	-2.72	-2.43	-2.18	-2.04	-2.11
15	-2.09	-2.06	-1.70		-2.29	-2.35	-2.03	-2.69	-2.26	-2.20	-2.01	-1.22
16	-2.12	-2.03	-1.96		-2.07	-2.58	-1.68	-2.64	-1.70	-2.22	-2.39	-0.83
17	-1.60	-1.83	-2.32		-2.13	-2.66	-1.80	-2.62	-1.73	-2.24	-1.60	-1.24
18	-1.77	-1.80	-2.13		-2.19	-2.72	-1.54	-2.63	-1.84	-2.26	-1.37	-1.63
19	-2.10	-1.77	-2.18		-1.99	-1.86	-1.94	-2.62	-1.79	-2.27	-1.67	-1.50
20	-2.12	-2.49	-1.79		-2.40	-2.05	-2.09	-2.62	-1.75	-2.30	-1.74	-1.68
21	-2.12	-2.32	-1.84		-2.14	-2.04	-1.83	-2.36	-1.68	-1.81	-1.22	-1.62
22	-1.76	-2.14	-1.83		-2.05	-1.85	-1.85	-2.17	-1.77	-1.08	-1.37	-1.63
23	-2.05	-2.08	-2.03		-2.10	-1.75	-1.95	-2.09	-1.79	-1.46	-1.71	-1.34
24	-2.05	-2.01	-1.85		-2.05	-2.00	-2.14	-2.10	-1.88	-1.61	-1.85	-1.50
25	-1.70	-2.20	-2.04		-2.28	-1.67	-2.27	-2.10	-1.96	-1.69	-1.74	-1.35
26	-1.79	-2.14	-2.16		-2.33	-1.51	-2.12	-1.98	-2.10	-1.76	-1.69	-1.15
27	-1.74	-1.75	-2.13		-2.03	-1.54	-2.09	-2.03	-1.92	-1.69	-1.38	-1.86
28	-2.12	-1.95	-2.12		-2.20	-2.07	-2.06	-1.99	-1.63	-1.61	-1.07	-1.75
29	-2.15	-----	-2.01		-2.28	-1.98	-1.89	-2.05	-1.89	-1.82	-1.42	-1.64
30	-1.80	-----			-2.17	-1.90	-2.26	-2.04	-2.00	-0.34	-1.40	-1.52
31	-1.72	-----		-----	-2.13	-----	-2.08	-2.05	-----	-0.26	-----	-1.57

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	-1.99	-2.05	-2.03		-2.13	-2.04	-1.99	-2.38	-1.94	-1.83	-1.67	-1.64
MAX	-1.60	-1.75	-1.39		-1.80	-1.51	-1.54	-1.95	-1.63	-0.26	-0.95	-0.83
MIN	-2.39	-2.49	-2.38		-2.41	-2.72	-2.30	-2.83	-2.43	-2.30	-2.39	-2.36
DAYS	31	28	29	0	27	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 329  
 THE MEAN STAGE FOR THE YEAR WAS MINUS 1.97.  
 HIGHEST STAGE WAS MINUS 0.07 AT MIDNIGHT ON OCT 30.  
 LOWEST STAGE WAS MINUS 3.04 ON AUG 10.



## DAILY STAGE FOR 1993

## INTRACOASTAL WATERWAY AT WAX LAKE WEST CONTROL STRUCTURE (LA.)

LOCATION. LAT. 29-40-17, LONG. 91-26-58. ON FLOODWAY SIDE (SOUTH) FACE OF STRUCTURE AT WAX LAKE WEST PROTECTION LEVEE, FIVE MILES SOUTHWEST OF CALUMET, LA. (STA. 7656010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. STAGE, JULY 19, 1955 TO NOV. 18, 1975 AND JAN. 20, 1976 TO DATE.

EXTREMES. HIGHEST, 7.35 FEET (CAUSED BY HURRICANE) ON JUNE 27, 1957. LOWEST, MINUS 2.38 FEET ON JAN. 13, 1964.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.05	2.40	1.72	2.55	3.60	3.16	2.74	2.45	2.63	2.35	1.70	2.65
2	1.87	2.36	2.15	2.35	3.78	3.49	2.65	2.75	2.75	2.35	1.70	2.65
3	2.12	2.57	2.21	2.55	3.90	3.64	2.43	2.70	2.82	2.05	1.83	2.90
4	2.37	2.54	2.20	2.84	3.69	3.62	2.86	2.70	2.50	2.15	2.20	2.95
5	2.35	2.78	2.10	2.99	3.81	3.50	2.85	2.65	2.52	2.20	2.20	2.25
6	2.18	2.48	2.08	2.90	3.73	3.27	2.80	2.75	2.60	2.55		2.35
7	2.25	2.36	2.17	3.15	3.66	3.38 F	2.15	2.90	2.55	2.70		2.10
8	2.58	2.40	2.21	3.30	3.70	3.35	2.27	2.75	2.67	2.98		2.20
9	2.57	2.60	2.40	3.30	3.72	3.20 F	2.31	2.65	2.60	3.00		2.25
10	2.73	2.72	2.55	3.10	3.70	2.90	2.47	2.63	2.50	2.25		2.35
11	2.54	2.85	2.37	3.20	3.48	2.60	2.50	2.75	2.25	2.53		2.35
12	2.85	2.56	2.21	3.17	3.39	2.45	2.30	2.95	2.55	2.45		2.25
13	2.30	1.95	1.67 F	3.30	3.36	2.46	2.55	2.94	2.90			3.00
14	2.15	1.88	1.59	3.30	3.27	2.37	2.47	2.85	3.40			2.70
15	2.35	2.02	1.95	3.80	3.39	2.25	2.53	2.80	2.52			2.30
16	2.32	2.36	2.55	3.30	3.47	2.60	2.64	2.73	2.25		F 1.97	2.65
17	2.39	1.68	2.37	3.25	3.46	2.85	2.60	2.60	2.15		2.30	2.65
18	2.51	1.67	2.36	3.43	3.73	3.05	2.55	2.75	2.35		1.60	2.65
19	2.45	1.76	2.52	3.49	3.71	3.15 F	2.73	2.94	2.75 F	2.80	2.10	2.55
20	2.68	2.18	2.53 F	3.55	3.40	3.50	2.50	2.85	2.85	3.25	1.15	2.86
21	2.89	2.40	2.53	3.30	3.62	3.25	2.35	2.85	2.80	2.85	1.30	2.25
22	2.80	2.18	2.73	3.10	3.65	3.05	2.50	2.95	2.72	1.80	1.45	2.40
23	2.80	1.88	2.69	3.45	3.92	3.05	2.55	2.83	2.63	2.10	1.55	2.27
24	2.95	2.18	2.70	3.70	4.04	3.09	2.35	2.74	2.55	2.40	1.64	2.33
25	2.66	2.69	2.88	3.55	3.80	2.75	2.33	2.70	2.65	2.30	1.65	2.35
26	2.61	2.07	2.72	3.40	3.59	2.65	2.30	3.03	2.80	2.25	1.57	2.06
27	2.37	1.47	2.75	3.19	3.54	2.70	2.50	3.20	1.90	1.77	1.30	2.20
28	2.61	1.85	2.70	3.29	3.55	2.80	2.60	2.85	1.70	1.60	1.80	2.30
29	2.45	-----	2.63	3.41	3.57	2.85	2.55	2.80	1.88	2.08	2.01	2.15
30	2.34	-----	2.78	3.46	3.57	2.90	2.65	2.70	2.09	1.80	2.15	1.60
31	2.30	-----	2.75	-----	3.50	-----	2.54	2.65	-----	1.10	-----	1.95

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.46	2.24	2.38	3.22	3.62	3.00	2.52	2.79	2.53	2.31	1.76	2.40
MAX	2.95	2.85	2.88	3.80	4.04	3.64	2.86	3.20	3.40	3.25	2.30	3.00
MIN	1.87	1.47	1.59	2.35	3.27	2.25	2.15	2.45	1.70	1.10	1.15	1.60
DAYS	31	28	31	30	31	30	31	31	30	25	20	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 349

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 2.63.

HIGHEST STAGE WAS 4.20 AT 3:00 P.M. ON MAY 24.

LOWEST STAGE WAS 0.95 ON OCT 31.

## DAILY STAGE FOR 1993

## FRESHWATER CANAL ABOVE BEEF RIDGE (LA.)

LOCATION. LAT. 29-33-18, LONG. 92-18-19. ABOUT 200 FEET NORTH OF FRESHWATER BAYOU LOCK. (STA. 7659017.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. FEB. 13, 1963, TO JAN. 8, 1966, AND FEB. 23, 1967, TO DATE. PRIOR TO JULY 25, 1967, GAGE WAS LOCATED AT BELLE ISLE CANAL.

EXTREMES. HIGHEST, 7.45 FEET ON SEP. 16, 1971 (CAUSED BY HURRICANE). LOWEST (FROM INCOMPLETE RECORD) MINUS 2.9 FEET ON JAN. 8, 1970 AND JAN. 15, 1972.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1 G	2.28 G	2.20 G	2.05 G	1.05 G	3.20 G	2.54 G	2.92 G	1.90 G	1.99 G	3.35 G	2.75 G	3.55
2 G	1.50 G	2.20 G	2.51 G	0.85 G	3.50 G	3.00 G	2.40 G	1.75 G	2.39 G	3.31 G	3.18 G	3.11
3 G	2.30 G	2.70 G	2.22 G	2.40 G	3.40 G	2.90 G	2.28 G	1.98 G	2.26 G	2.70 G	2.80 G	3.32
4 G	3.00 G	2.80 G	2.01 G	2.71 G	3.00 G	2.65 G	2.25 G	1.90 G	2.13 G	2.61 G	2.90 G	2.90
5 G	2.30 G	3.10 G	1.70 G	2.40 G	3.50 G	2.90 G	2.30 G	1.80 G	2.50 G	2.70 G	2.79 G	1.80
6 G	2.30 G	2.30 G	1.72 G	2.90 G	3.40 G	2.20 G	2.60 G	2.31 G	2.80 G	3.25 G	1.98 G	2.04
7 G	2.65 G	2.10 G	1.69 G	3.20 G	2.90 G	2.40 G	2.10 G	2.70 G	2.88 G	3.35 G	1.00 G	1.85
8 G	2.95 G	2.50 G	2.15 G	3.51 G	3.02 G	2.65 G	1.90 G	2.60 G	3.12 G	3.75 G	2.85 G	1.98
9 G	3.25 G	2.70 G	2.14	2.60 G	3.05 G	2.80 G	2.05 G	2.65 G	2.95 G	3.60 G	3.05 G	2.20
10 G	3.75 G	2.70 G	2.15	2.20 G	2.72 G	2.40 G	2.39 G	2.40 G	2.73 G	2.20 G	2.60 G	2.34
11 G	2.80 G	2.55 G	2.10	2.45 G	2.10 G	2.36 G	2.82 G	2.95 G	3.11 G	2.60 G	2.71 G	2.22
12 G	3.10 G	2.28 G	2.63	2.40 G	2.05 G	2.43 G	2.80 G	3.12 G	3.10 G	2.90 G	3.49 G	2.62
13 G	2.51 G	1.81 G	0.05 G	2.39 G	2.10 G	2.62 G	3.00 G	3.00 G	3.46 G	3.55 G	3.21 G	3.90
14 G	2.32 G	2.08 G	0.18 G	2.99 G	1.92 G	2.75 G	3.20 G	2.62 G	3.78 G	3.40 G	3.60 G	2.20
15 G	2.82 G	2.62 G	1.70 G	3.00 G	2.58 G	2.30 G	3.05 G	2.40 G	3.10 G	3.02 G	3.52 G	1.55
16 G	2.40 G	3.00 G	3.43 G	2.10 G	2.79 G	2.80 G	2.90 G	1.65 G	2.21 G	2.99	2.50 G	2.80
17 G	2.43 G	1.90 G	2.15 G	2.59 G	2.62 G	2.80 G	2.80 G	1.43 G	2.50 G	3.31	1.45 G	2.60
18 G	2.70 G	1.70 G	1.83 G	3.28 G	3.00 G	3.25 G	2.62 G	1.35 G	3.00 G	3.58	2.61 G	2.55
19 G	2.60 G	2.30 G	2.82 G	3.20 G	2.60 G	3.30 G	2.35 G	2.00 G	3.42 G	3.70 G	2.81 G	2.49
20 G	2.89 G	2.95 G	2.90 G	3.22 G	2.10 G	3.90 G	2.00 G	2.12 G	3.51 G	3.90 G	2.40 G	2.89
21	1.45 G	3.00 G	2.64 G	2.31 G	2.90 G	3.20 G	1.70 G	2.05 G	3.40 G	3.09 G	2.19 G	1.41
22	1.50 G	2.55 G	2.91 G	1.79 G	3.00 G	2.98 G	1.70 G	2.01 G	3.50 G	2.02 G	2.55 G	2.29
23 G	3.02 G	2.30 G	2.31 G	2.41 G	3.40 G	2.80 G	1.83 G	2.50 G	3.41 G	2.55 G	2.63 G	1.70
24 G	3.25 G	2.79 G	2.22 G	3.00 G	2.70 G	2.72 G	2.00 G	2.60 G	3.21 G	3.31 G	2.53 G	2.01
25 G	2.92 G	3.42 G	2.51 G	2.51 G	2.20 G	2.85 G	2.00 G	2.70 G	3.30 G	3.40 G	2.54 G	1.70
26 G	2.35 G	2.18 G	1.85 G	2.22 G	1.90 G	2.80 G	2.45 G	3.30 G	3.25 G	3.40 G	2.11	1.45
27 G	1.84 G	1.19 G	1.85 G	2.30 G	2.30 G	3.00 G	2.79 G	3.52 G	2.54 G	2.24 G	2.59 G	2.01
28 G	2.40 G	1.99 G	1.51 G	2.55 G	2.50 G	3.40 G	2.71 G	3.02 G	2.10 G	1.80 G	1.95 G	2.41
29 G	2.30	-----	1.70 G	2.88 G	2.80 G	3.25 G	2.60 G	2.70 G	2.81 G	3.20 G	2.35 G	2.20
30 G	2.14	-----	2.00 G	2.80 G	3.00 G	3.10 G	2.30 G	2.32 G	3.10 G	2.53 G	2.52 G	1.50
31 G	2.00	-----	1.65	-----	2.90	-----	2.00 G	2.00	-----	0.60	-----	2.49

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.52	2.43	2.04	2.54	2.75	2.83	2.41	2.37	2.92	2.96	2.61	2.33
MAX	3.75	3.42	3.43	3.51	3.50	3.90	3.20	3.52	3.78	3.90	3.60	3.90
MIN	1.45	1.19	0.05	0.85	1.90	2.20	1.70	1.35	1.99	0.60	1.00	1.41
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 2.55.

HIGHEST STAGE WAS 4.70 AT 8:00 P.M. ON JUN 19.

LOWEST STAGE WAS MINUS 0.10 ON MAR 14.

## DAILY STAGE FOR 1993

## FRESHWATER CANAL AT FRESHWATER BAYOU LOCK (LA.) (NORTH)

LOCATION. LAT. 29-33-16, LONG. 92-18-20. ON NORTH SIDE OF LOCK. (STA. 7659217.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. STAGE, JULY 1968 TO DATE.

EXTREMES. HIGHEST, 5.20 FEET (CAUSED BY HURRICANE) ON AUG. 15, 1985. LOWEST, MINUS 2.9 FEET ON JAN. 8, 1970 AND JAN. 15, 1972.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.05	2.24	2.18	0.78	2.94	2.53	3.03	1.45	2.09	3.38	2.89	3.48
2	1.33	2.22	2.57	0.58	3.27	3.13	2.79	1.54	2.65	3.33	3.21	3.24
3	2.17	2.67	2.31	2.12	2.96	3.14	2.67	1.61	2.62	2.69	2.74	3.62
4	2.75	2.82	2.24	2.51	2.77	2.82	2.55	1.77	2.04	2.73	2.80	3.26
5	2.19	3.00	1.90	2.09	3.24	3.09	2.78	1.56	2.62	2.70	2.60	1.96
6	2.12	2.39	1.95	2.42	3.24	2.50	2.90	2.57	2.88	3.09	1.84	2.63
7	2.48	2.14	2.37	2.99	2.85	2.62	2.46	2.43	2.84	3.35	0.81	2.38
8	2.82	2.50	2.29	3.16	2.93	2.93	1.92	2.69	3.27	3.87	2.77	2.50
9	3.10	2.62	2.12	1.90	3.07	2.94	1.65	2.63	3.21	3.58	2.94	2.50
10	3.66	2.78	2.08	1.90	2.56	2.59	1.53	2.21	3.14	2.36	2.41	2.52
11	2.72	2.47	1.77	2.12	1.98	2.35	2.18	2.68	3.46	3.22	2.66	2.47
12	2.93	2.31	2.67	2.01	1.99	2.52	2.01	3.03	3.50	3.21	3.13	2.66
13	2.36	1.86	0.15	2.00	1.92	2.58	2.21	3.08	3.90	3.38	3.19	3.86
14	2.43	2.00	0.23	2.54	1.92	2.62	2.41	2.84	4.22	3.23	3.52	2.35
15	2.81	2.56	1.53	2.66	2.36	2.68	2.41	2.68	3.52	2.95	3.43	1.68
16	2.50	2.97	3.30	1.78	2.57	3.41	2.24	2.14	3.27	2.96	2.71	3.03
17	2.59	2.02	2.05	2.24	2.66	3.56	2.06	1.76	3.30	3.26	1.54	2.48
18	2.76	1.89	1.77	2.96	3.16	3.84	2.07	1.65	3.48	3.67	2.62	2.58
19	2.65	2.52	2.75	2.88	2.72	3.84	1.96	2.27	3.82	3.81	2.80	2.36
20	3.02	2.77	2.92	3.00	2.07	4.00	1.64	2.31	3.89	3.95	2.45	2.77
21	1.61	3.06	2.63	2.14	3.08	3.50	1.21	2.09	3.66	3.10	2.29	1.40
22	1.72	2.69	2.84	1.62	3.12	2.96	1.34	1.98	3.87	2.37	2.64	2.16
23	3.03	2.55	2.24	2.35	3.45	2.86	1.29	2.36	3.71	2.87	2.50	1.74
24	3.24	2.96	2.18	2.81	3.40	2.90	1.28	2.44	3.58	3.15	2.31	2.14
25	2.97	3.54	2.44	2.28	2.31	2.76	1.31	2.49	3.62	3.16	2.31	1.73
26	2.41	2.28	1.84	2.01	2.17	2.74	1.67	3.08	3.63	3.07	2.09	1.39
27	1.99	1.28	1.74	2.03	2.48	2.82	2.19	3.36	2.67	2.27	1.61	1.82
28	2.46	2.13	1.44	2.27	2.40	3.14	2.27	2.77	2.60	1.85	2.04	2.21
29	2.40	-----	1.58	2.43	2.65	3.17	2.23	2.67	2.96	2.95	2.37	2.02
30	2.24	-----	1.89	2.34	2.82	3.19	1.98	2.44	3.23	2.58	2.49	1.31
31	2.10	-----	1.41	-----	2.86	-----	1.63	2.18	-----	0.75	-----	2.36

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.50	2.47	2.04	2.23	2.71	2.99	2.06	2.35	3.24	2.99	2.52	2.41
MAX	3.66	3.54	3.30	3.16	3.45	4.00	3.03	3.36	4.22	3.95	3.52	3.86
MIN	1.33	1.28	0.15	0.58	1.92	2.35	1.21	1.45	2.04	0.75	0.81	1.31
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 2.54.  
 HIGHEST STAGE WAS 4.35 AT 5:00 P.M. ON SEP 14.  
 LOWEST STAGE WAS MINUS 0.22 ON MAR 14.

## DAILY STAGE FOR 1993

## FRESHWATER CANAL AT FRESHWATER BAYOU LOCK (LA.) (SOUTH)

LOCATION. LAT. 29-33-09, LONG. 92-18-21. ON SOUTH SIDE OF LOCK. (STA. 7659317.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. STAGE, JULY 1968 TO DATE. AUTOMATIC RECORDER INSTALLED ON APR. 30, 1973.

EXTREMES. HIGHEST, 5.80 FEET ON JUL. 24, 1979. LOWEST, MINUS 5.0 FEET ON JAN. 20, 1985.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1 G	1.70 G	1.40 G	3.50 G	2.00 G	4.00 G	1.80 G	2.61 G	2.20 G	1.80 G	2.50 G	0.73 G	1.20
2 G	2.10 G	1.30	2.65 G	2.00 G	2.60 G	2.70 G	2.80 G	2.60 G	1.80 G	1.90 G	1.39 G	1.50
3 G	2.13 G	1.50 G	2.80 G	2.04 G	1.80 G	2.85 G	2.67 G	2.60 G	2.14 G	1.90 G	1.29 G	2.20
4 G	2.40 G	1.43 G	1.50 G	2.00 G	2.20 G	2.80 G	3.10 G	2.50 G	2.40 G	2.30 G	2.40 G	2.30
5 G	0.70 G	-0.36 G	-0.10 G	0.95 G	3.40 G	3.00 G	3.10 G	2.50 G	2.53 G	2.25 G	2.12 G	2.00
6 G	0.90 G	-0.20 G	-0.10 G	2.10 G	3.70 G	3.10 G	3.05 G	2.33 G	2.30 G	2.60 G	1.10 G	1.94
7 G	0.80 G	0.30 G	0.60 G	3.00 G	3.70 G	3.80 G	2.65 G	2.40 G	2.67 G	3.00 G	2.01 G	2.60
8 G	-0.05 G	0.35 G	0.70 G	3.75 G	4.00 G	3.78 G	2.10 G	2.30 G	2.60 G	3.60 G	2.70 G	2.10
9 G	0.95 G	1.30 G	1.61	2.80 G	4.00 G	3.50 G	2.60 G	2.35 G	2.67 G	3.40 G	1.40 G	2.40
10 G	0.60 G	2.30 G	2.00	2.80 G	2.90 G	3.00 G	2.50 G	2.50 G	2.48 G	3.10 G	1.00 G	1.90
11 G	0.60 G	2.80 G	2.39	2.80 G	2.90 G	2.40 G	2.80 G	2.50 G	2.90 G	2.70 G	1.40 G	0.58
12 G	1.70 G	1.70 G	3.25	2.80 G	2.50 G	2.50 G	2.58 G	2.75 G	3.35 G	2.90 G	1.20 G	1.00
13 G	1.60 G	2.10 G	-0.80 G	2.70 G	1.80 G	2.60 G	3.05 G	2.94 G	3.75 G	2.50 G	1.00 G	1.80
14 G	2.25 G	1.92 G	1.07 G	2.80 G	2.10 G	1.80 G	2.70 G	2.62 G	3.45 G	1.80 G	1.00 G	-0.60
15 G	2.60 G	2.18 G	0.55 G	2.05 G	2.60 G	2.90 G	3.10 G	2.50 G	2.60 G	1.40 G	0.44 G	-0.20
16 G	1.90 G	1.70 G	3.25 G	2.03 G	2.53 G	2.91 G	2.99 G	2.00 G	1.50 G	1.48	2.43 G	1.50
17 G	1.60 G	0.60 G	1.20 G	1.50 G	2.20 G	3.70 G	2.55 G	1.75 G	1.55 G	1.50	1.10 G	1.40
18 G	1.20 G	0.20 G	2.30 G	2.10 G	2.40 G	3.50 G	2.65 G	1.95 G	2.05 G	1.80	2.00 G	2.00
19 G	1.10 G	1.30 G	1.70 G	2.60 G	2.00 G	4.40 G	2.60 G	1.89 G	2.00 G	2.01 G	2.35 G	2.50
20 G	0.90 G	1.00 G	1.35 G	2.60 G	2.65 G	4.20 G	2.50 G	1.90 G	2.60 G	2.22 G	1.59 G	3.17
21	0.60 G	1.40 G	1.46 G	0.95	2.80 G	3.79 G	2.00 G	1.85 G	2.80 G	2.00 G	2.37 G	1.09
22	1.00 G	1.40 G	1.51 G	2.78 G	3.10 G	3.55 G	2.25 G	2.20 G	3.30 G	2.00 G	2.35 G	1.40
23 G	1.00 G	1.90 G	1.80 G	1.60 G	4.30 G	3.17 G	1.78 G	2.20 G	3.10 G	2.70 G	2.10 G	0.65
24 G	-0.80 G	2.20 G	1.70 G	2.90 G	3.28 G	3.30 G	2.00 G	2.21 G	3.08 G	3.10 G	1.60 G	0.90
25 G	1.86	3.05 G	2.40 G	3.30 G	1.15 G	3.20 G	2.20 G	2.23 G	3.10 G	2.90 G	1.35 G	1.50
26 G	1.75 G	2.10 G	2.35 G	2.50 G	2.80 G	3.25 G	2.20 G	3.80 G	3.15 G	2.40 G	0.70	2.20
27 G	1.80 G	2.75 G	2.40 G	2.80 G	3.20 G	2.95 G	2.79 G	3.70 G	0.76 G	1.91 G	0.05 G	-0.50
28 G	1.90 G	2.85 G	2.55 G	2.90 G	3.38 G	3.10 G	2.85 G	2.71 G	2.30 G	2.00 G	0.10 G	0.20
29 G	2.00	----- G	2.90 G	3.00 G	2.90 G	2.80 G	2.50	2.45 G	2.20 G	2.20 G	0.40 G	-0.50
30 G	1.90	----- G	3.20 G	2.60 G	2.63 G	2.70 G	2.40	2.34 G	1.95 G	-1.20 G	0.50 G	-0.33
31 G	2.10	----- G	2.50	----- G	2.32	----- G	2.30 G	2.00	----- G	-0.70	----- G	0.50

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.38	1.51	1.84	2.42	2.83	3.10	2.58	2.41	2.50	2.13	1.41	1.30
MAX	2.60	3.05	3.50	3.75	4.30	4.40	3.10	3.80	3.75	3.60	2.70	3.17
MIN	-0.80	-0.36	-0.80	0.95	1.15	1.80	1.78	1.75	0.76	-1.20	0.05	-0.60
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 2.12.

HIGHEST STAGE WAS 5.35 AT 7:00 A.M. ON JUN 19.

LOWEST STAGE WAS MINUS 1.20 ON OCT 30.

## DAILY STAGE FOR 1993

SCHOONER BAYOU (INLAND WATERWAY) AT CONTROL STRUCTURE (LA.) (EAST AUTO.)

LOCATION. LAT. 29-45-28, LONG. 92-15-48. ON NORTHEAST FENDER OF STRUCTURE, 6.6 MILES SOUTHWEST FROM JUNCTION WITH IWW. (STA. 7660017.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JULY 1, 1917, TO DATE. ADD 0.6 TO DAILY STAGES PRIOR TO 1951.

EXTREMES. HIGHEST, 6.63 FEET (CAUSED BY HURRICANE) ON SEP. 11, 1961 (PROBABLY HIGHER DURING HURRICANE OF JUNE 1957). LOWEST, MINUS 2.90 FEET ON MAR. 5, 1962.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.50	2.16	1.95	0.90	2.90	2.10	3.20	1.90	2.30	3.40	2.63	3.30
2	1.10	2.08	2.35	0.60	3.20	3.29	2.90	1.80	2.75	3.42	2.91	3.05
3	2.10	2.53	2.23	2.30	3.00	3.49	2.73	2.00	2.63	2.55	2.50	3.30
4	2.40	2.60	2.20	2.49	2.90	3.32	2.79	2.05	1.94	2.65	2.75	3.00
5	1.72	2.70	1.98	2.48	3.68	3.29	2.80	2.29	2.55	2.61	2.60	1.80
6	1.90	2.23	1.99	2.69	3.51	2.79	2.75	2.71	2.88	2.90	2.00	2.19
7	2.20	2.15	2.21	3.40	3.05	2.80	2.40	2.61	2.80	3.35	0.80	2.00
8	2.55	2.43	2.35	3.50	3.09	3.30	1.93	2.74	3.10	3.98	2.49	1.80
9	2.99	2.50	2.50	2.75	3.33	3.20	2.21	2.69	2.93	3.65	2.85	2.10
10	3.41	2.53	2.60	2.55	2.35	2.63	2.39	2.21	2.67	2.00	2.10	2.18
11	2.75	2.22	2.35	2.71	2.00	2.35	2.75	2.70	3.05	3.00	2.30	2.19
12	3.09	2.20	2.65	2.78	2.21	2.22	2.65	3.05	3.15	3.00	2.90	2.49
13	2.57	1.80	-0.80	2.69	2.15	2.28	2.90	2.98	3.70	3.35	2.90	3.70
14	2.51	1.88	-0.35	3.03	2.05	2.35	3.00	2.77	4.29	3.05	3.48	2.10
15	2.68	2.10	1.79	3.20	2.49	2.51	3.05	2.70	2.78	2.71	3.10	1.79
16	2.48	2.49	3.38	2.59	2.69	3.38	3.00	2.15	2.53	2.81	3.90	2.79
17	2.52	1.80	1.50	2.80	2.69	3.69	2.86	1.80	2.90	3.22	2.90	2.31
18	2.55	1.10	1.60	3.23	3.20	3.89	2.72	1.92	3.28	3.53	2.70	2.35
19	2.61	2.01	2.60	3.30	2.69	4.05	2.60	2.31	3.62	3.73	2.90	2.18
20	2.88	2.41	2.50	3.27	2.20	4.32	2.36	2.30	3.70	4.07	2.39	2.59
21	2.93	2.90	2.51	2.40	3.20	3.50	2.10	2.30	3.50	2.92	2.45	1.48
22	2.90	2.30	2.89	2.39	3.25	3.00	2.02	2.11	3.50	1.61	2.55	1.90
23	3.09	2.40	2.30	2.98	3.54	2.95	2.03	2.35	3.30	2.58	2.50	1.70
24	3.01	2.75	2.40	3.28	3.49	3.07	2.09	2.30	3.20	2.95	2.52	1.81
25	2.92	3.50	2.70	3.00	2.15	2.99	1.94	2.32	3.30	3.05	2.50	1.75
26	2.53	1.90	2.00	2.35	1.96	2.89	2.20	3.26	3.49	3.14	2.19	0.95
27	2.37	1.20	2.02	2.30	2.18	3.00	2.75	3.53	2.20	2.10	1.83	1.50
28	2.70	1.75	2.00	2.60	2.38	3.19	2.90	2.94	2.10	1.85	2.14	1.98
29	2.54	-----	2.00	2.52	2.61	3.25	2.71	2.71	2.80	3.00	2.31	1.59
30	2.09	-----	1.99	2.53	2.70	3.30	2.40	2.50	3.20	1.50	2.33	1.02
31	2.10	-----	1.30	-----	2.52	-----	2.00	2.35	-----	0.19	-----	2.29

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.51	2.24	2.05	2.65	2.75	3.08	2.55	2.46	3.00	2.83	2.55	2.17
MAX	3.41	3.50	3.38	3.50	3.68	4.32	3.20	3.53	4.29	4.07	3.90	3.70
MIN	1.10	1.10	-0.80	0.60	1.96	2.10	1.93	1.80	1.94	0.19	0.80	0.95
DAYS	31	28	31	30	24	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 2.57.  
 HIGHEST STAGE WAS 4.89 AT 6:00 P.M. ON JUN 19.  
 LOWEST STAGE WAS MINUS 0.85 ON MAR 13.

## DAILY STAGE FOR 1993

## SCHOONER BAYOU (INLAND WATERWAY) AT CONTROL STRUCTURE (LA.) (EAST STAFF)

LOCATION. LAT. 29-45-28, LONG. 92-15-48. ON SOUTHEAST FENDER OF STRUCTURE, 6.6 MILES SOUTHWEST FROM JUNCTION WITH IWW. (STA. 7664017.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. JULY 1, 1917, TO DATE. ADD 0.6 TO DAILY STAGES PRIOR TO 1951.

EXTREMES. HIGHEST, 6.10 FEET ON SEP. 5, 1973. LOWEST, MINUS 1.95 ON DEC. 24, 1966. EXTREMES HAVE BEEN ADJUSTED TO PRESENT DATUM.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	G 1.75	2.40	G 1.85	G 0.50	G 3.10	G 2.25	G 2.85	G 1.60	G 1.70	G 3.35	G 2.60	G 3.55
2	G 1.15	2.30	G 2.40	G 0.50	G 3.20	G 3.00	G 2.65	G 1.80	G 2.50	G 3.35	G 3.05	G 3.15
3	G 2.00	2.60	G 2.00	G 2.40	G 3.10	G 3.00	G 2.50	G 1.90	G 2.40	G 2.50	G 2.80	G 3.30
4	G 2.55	G 2.65	2.20	2.55	2.80	2.60	2.50	2.00	1.90	2.55	2.90	3.00
5	G 1.90	2.80	G 2.00	G 2.10	G 3.50	G 2.90	G 2.55	G 2.05	G 2.40	G 2.70	G 2.70	G 1.90
6	G 1.90	2.30	2.00	G 2.40	G 3.30	G 2.50	G 2.70	G 2.50	G 2.70	G 3.00		G 2.20
7	G 2.30	2.10	G 2.40	G 3.20	G 2.55	G 2.40	G 2.25	G 2.15	G 2.80	G 3.50	G 0.75	G 2.10
8	G 2.65	2.40	G 2.35	G 3.40	G 2.85	G 3.00	G 1.90	G 2.55	G 3.00	G 3.90	G 2.55	G 2.00
9	G 3.40	2.45	G 2.05	G 2.75	G 3.05	G 2.80	G 2.10	G 2.60	G 3.00	G 3.70	G 2.85	G 2.20
10	G 3.50	2.35	G 2.35	G 2.50	G 2.55	G 2.45	G 2.25	G 2.15	G 2.90	G 2.05	G 2.40	G 2.30
11	2.70	2.30	1.80	2.75	2.00	G 2.05	G 2.60	G 2.75	G 3.00	G 3.00	G 2.45	G 2.15
12	3.00	2.30	G 2.25	2.70	2.00	G 2.35	G 2.70	G 3.00	G 3.15	G 3.10	G 3.20	G 2.70
13	2.60	1.75	G -0.90	2.80	2.20	G 2.45	G 3.00	G 3.00	G 3.60	G 3.50	G 3.20	G 4.00
14	2.45	1.95	1.45	3.05	2.00	G 2.45	G 3.00	G 2.60	G 4.05	G 3.30	G 3.75	G 2.35
15	G 2.60	2.40	1.80	3.20	2.50	G 2.50	G 2.85	G 2.40	G 3.10	G 2.85	G 3.20	G 1.85
16	G 2.40	G 2.60	G 3.20	2.60	G 2.60	G 3.25	G 2.70	G 2.00	G 2.30	G 2.90	G 4.00	G 3.00
17	G 2.55	G 1.75	G 1.55	2.80	G 2.60	G 3.30	G 2.60	G 1.60	G 2.70	G 3.30	G 2.95	G 2.40
18	G 2.30	G 1.20	G 1.70	3.25	G 3.00	G 3.70	G 2.30	G 1.60	G 3.30	G 3.50	G 2.70	G 2.40
19	G 2.60	G 2.20	G 2.80	3.20	G 2.60	G 3.75	G 2.25	G 1.95	G 3.50	G 3.75	G 2.90	G 2.25
20	G 2.90	G 2.90	G 3.00	3.25	G 2.00	G 4.20	G 1.95	G 2.10	G 3.60	G 3.95	G 2.50	G 2.60
21	G 2.95	G 3.10	G 2.50	2.30	G 2.80	G 2.95	G 1.80	G 2.05	G 2.95	G 3.00	G 2.40	G 1.50
22	G 2.95	G 2.50	G 2.70	2.10	G 2.90	G 2.55	G 1.80	G 1.80	G 3.50	G 1.40	G 2.60	G 1.95
23	G 3.00	G 2.30	G 2.35	2.50	G 3.40	G 2.60	G 1.90	G 2.45	G 3.55	G 2.40	G 2.65	G 1.65
24	G 3.10	G 3.40	G 2.10	2.95	G 3.55	G 2.75	G 1.95	G 2.45	G 3.35	G 3.00	G 2.55	G 1.80
25	G 2.85	G 3.40	G 2.40	2.60	G 1.80	G 2.60	G 1.80	G 2.70	G 3.40	G 3.00	G 2.50	G 1.75
26	G 2.55	G 2.00	1.80	2.30	1.80	G 2.80	G 2.30	G 3.15	G 3.40	G 3.10	G 2.20	G 0.90
27	G 2.25	G 0.90	G 1.70	2.20	2.10	G 2.90	G 2.75	G 3.20	G 2.50	G 2.10	G 1.80	G 1.70
28	G 2.65	G 1.80	G 1.25	2.50	G 2.40	G 3.30	G 2.80	G 2.80	G 2.00	G 1.60	G 2.15	G 2.15
29	G 2.50	-----	G 1.55	2.60	G 2.60	G 3.20	G 2.70	G 2.70	G 2.75	G 3.15	G 2.30	G 1.60
30	G 2.20	-----	G 1.00	2.65	G 2.85	G 3.00	G 2.20	G 2.20	G 3.15	G 1.50	G 2.45	G 1.00
31	G 2.10	-----	G 1.00	-----	G 2.90	-----	G 1.95	G 1.90	-----	G 0.15	-----	G 2.35

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.53	2.32	1.95	2.55	2.66	2.85	2.39	2.31	2.94	2.84	2.66	2.25
MAX	3.50	3.40	3.20	3.40	3.55	4.20	3.00	3.20	4.05	3.95	4.00	4.00
MIN	1.15	0.90	-0.90	0.50	1.80	2.05	1.80	1.60	1.70	0.15	0.75	0.90
DAYS	31	28	31	30	31	30	31	31	30	31	29	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364

G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 2.52.

HIGHEST STAGE WAS 4.20 ON JUN 20.

LOWEST STAGE WAS MINUS 0.90 ON MAR 13.

## DAILY STAGE FOR 1993

## SCHOONER BAYOU (INLAND WATERWAY) AT CONTROL STRUCTURE (LA.) (WEST)

LOCATION. LAT. 29-45-28, LONG. 92-15-50. ON SOUTHWEST FENDER OF STRUCTURE, 6.6 MILES SOUTHWEST FROM JUNCTION WITH IWW. (STA. 7668017.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JULY 1, 1917, TO DATE. ADD 0.6 TO DAILY STAGES PRIOR TO 1951.

EXTREMES. HIGHEST, WATER OVER GATES (ELEVATION, SIX FEET, M.L.G.) DURING HURRICANE OF JUNE 27, 1957. LOWEST, MINUS 1.70 FEET (PRESENT DATUM) ON DEC. 21, 1924.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	G 2.40	2.38	2.29 G	2.60 G	2.79 G	2.42	3.00 G	2.20 G	2.13 G	1.64 G	2.40 G	2.51
2	G 2.20	2.29	2.50 G	2.40 G	3.00 G	2.40	2.90 G	2.19 G	2.19 G	1.60 G	2.40 G	2.50
3	G 2.30	2.54	2.35 G	2.10 G	3.15 G	2.40	2.79 G	2.10 G	2.15 G	1.74 G	2.32 G	2.45
4	G 2.20 G	2.55	2.26 G	2.41	2.90 G	2.33	2.80 G	2.11 G	2.10 G	1.75 G	2.49 G	2.85
5	G 2.40	2.70	2.14 G	3.00 G	3.00 G	2.21	2.85 G	2.12 G	1.85 G	1.70 G	2.51	1.80
6	G 2.30	2.20	2.02	2.37 G	3.09 G	2.25	2.86 G	2.10 G	1.95 G	1.70 G	1.99	2.20
7	G 2.21	2.13	2.21 G	2.72	2.82 G	2.14	2.60 G	2.10 G	1.98 G	1.65 G	2.32	2.02
8	G 2.60	2.41	2.31 G	2.90	3.00 G	2.02	2.25 G	2.10 G	1.89 G	1.50 G	2.20 G	2.25
9	G 2.80	2.56	2.50	2.91	2.90 G	2.00	2.32 G	2.05 G	1.90 G	1.65 G	2.30 G	2.20
10	G 3.20	2.57	2.50 G	2.70	2.50 G	2.00	2.22 G	2.12 G	1.90 G	1.60 G	2.60	2.20
11	2.82	2.45	2.25	2.89	2.40 G	2.05	2.70 G	2.10 G	1.62 G	1.55 G	2.52	2.12
12	3.05	2.20 G	2.30	2.99	2.30 G	2.00 G	2.55 G	2.15 G	1.75 G	1.55 G	2.40 G	2.32
13	2.65	1.80 G	2.50	2.81	2.20 G	2.02	2.60 G	2.06 G	1.75 G	1.50 G	2.50 G	2.30
14	2.43	1.85	2.60	3.11	2.03 G	2.11	2.52 G	2.11 G	1.55 G	1.70 G	2.40	2.29
15	2.70	2.30	1.80	3.38	2.40 G	2.10	2.60 G	2.12 G	1.70 G	1.78 G	2.90	1.83
16	2.50	2.52 G	2.39	2.75	2.55 G	2.00 G	2.70 G	2.15 G	1.79 G	1.83 G	3.14 G	2.38
17	2.49	1.77 G	2.50	2.89	2.60 G	1.89	2.79 G	2.08 G	1.75 G	1.84	3.04	2.33
18	G 2.70	2.35 G	2.59	3.21 G	2.58 G	1.81	2.72 G	2.09 G	1.65 G	1.80	2.80	2.29
19	2.60	2.40 G	2.59	3.25	2.62 G	1.95	2.61 G	2.08 G	1.52 G	1.75	2.97	2.12
20	2.89	2.31 G	2.28	3.30	2.25 G	2.12	2.48 G	2.02 G	1.69 G	1.70	2.50 G	2.45
21	3.00	2.40 G	2.40	2.46 G	2.32 G	2.50	2.05 G	2.05 G	1.62 G	1.95	2.41	1.55
22	2.99	2.39	2.53	2.25 G	2.35	2.70	2.15 G	2.10 G	1.70 G	1.90	2.65	1.90
23	3.06	2.40	2.40	2.72 G	2.35	2.90	2.06 G	2.06 G	1.72 G	1.91	2.60	1.62
24	3.04	2.22	2.40	3.15 G	2.20	2.95	2.03 G	2.08 G	1.70 G	1.90	2.51	1.80
25	2.98	2.06	2.61	2.85 G	2.51	3.00 G	2.20 G	2.05 G	1.70 G	1.97	2.46	1.70
26	2.78	2.40	2.61	2.41	2.15	2.92 G	2.24 G	1.91 G	1.75 G	1.91	2.19	1.95
27	2.37	2.32	2.22	2.29	2.35	3.08 G	2.21 G	2.00 G	1.73 G	2.01	1.80 G	1.98
28	2.70	2.45	2.40	2.58 G	2.38	3.20 G	2.20 G	2.05 G	1.79 G	2.01	2.01 G	1.99
29	2.55	----- G	2.30	2.65 G	2.40	3.23 G	2.25	2.10 G	1.77 G	2.10	2.30 G	1.95
30	2.35	----- G	2.40	2.68 G	2.49	3.20 G	2.25 G	2.10 G	1.65 G	2.69	2.36 G	2.08
31	2.35	----- G	2.60	----- G	2.50	----- G	2.20 G	2.10	----- G	2.70	----- G	1.98

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
MEAN	2.63	2.32	2.38	2.76	2.55	2.40	2.47	2.09	1.80	1.83	2.47	2.13
MAX	3.20	2.70	2.61	3.38	3.15	3.23	3.00	2.20	2.19	2.70	3.14	2.85
MIN	2.20	1.77	1.80	2.10	2.03	1.81	2.03	1.91	1.52	1.50	1.80	1.55
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 2.32.

HIGHEST STAGE WAS 3.84 AT 3:30 A.M. ON APR 15.

LOWEST STAGE WAS 1.25 ON OCT 12.

## DAILY STAGE FOR 1993

## INTRACOASTAL WATERWAY AT LELAND BOWMAN LOCK (LA.) (EAST AUTO.)

LOCATION. LAT. 29-47-00, LONG. 92-11-40. ON NORTH BANK AT EAST END OF LOCK. (STA. 7672013.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. NOV. 8, 1932, TO DATE. ADD 0.6 TO DAILY STAGES PRIOR TO 1951.

EXTREMES. HIGHEST, 8.9 FEET, FROM WATERMARK LEFT BY HURRICANE OF JUNE 27, 1957. LOWEST, MINUS 2.87 FEET ON JAN. 10, 1962.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.40	1.80	2.00	1.15	3.20 G	2.00	3.09	2.20	2.40	3.40	2.50	3.20
2	0.90	1.76	2.20	0.90	3.50 G	3.25	2.65	2.15	2.73	3.30	2.70	3.03
3	1.92	2.45	2.60	2.34	3.10 G	3.34	2.55	2.55	2.61	2.41	2.40	3.30
4	2.20	2.60	1.40	2.55	3.10 G	2.95	2.65	2.55	2.02	2.60	2.75	3.01
5	1.60	2.80	1.50	2.20	3.98 G	3.08	2.89	2.55	2.63	2.60	2.60	1.44
6	1.73	1.89	1.90	2.80	3.62 G	2.62	3.10	2.75	2.88	2.95	0.95	2.09
7	2.00	1.90	2.10	3.51	3.20 G	2.90	2.80	2.66	2.83	3.31	0.75	1.85
8	2.50	2.30 F	2.30	3.48	3.40	3.20	2.10	2.71	3.10	3.95	2.36	2.00
9	2.80	2.60	2.40	2.25	3.50	3.10	2.45	2.60	3.00	3.45	2.60	2.10
10	3.20	2.60	2.60	2.20	2.80	2.50	2.25	2.20	2.85	1.95	2.00	2.15
11	2.20	2.20	1.95	2.20	1.70	2.20	2.90	2.68	3.09	2.95	2.25	2.00
12	1.60	1.60	2.20	2.15	1.80	2.25	2.60	2.90	3.25	3.00	2.70	2.40
13	1.50	1.30	-0.50	2.20	1.55	2.35	2.95	3.00	3.82	3.20	2.85	3.71
14	1.60	1.40	-0.57	2.89	1.70	2.33	3.02	2.75	4.40	3.05	3.20	1.90
15	2.00	2.00	1.10	2.73	2.35	2.55	3.09	2.60	2.90	2.80	3.00	1.45
16	1.70	2.35	3.15	1.66	2.65	3.38	2.93	2.10	2.55	2.80	3.91	2.80
17	1.80	1.82	1.85	2.40	2.65	3.70	2.77	1.90	2.85	3.05	2.60	2.40
18	2.05	1.70	1.72	3.30	3.22	3.90	2.69	2.00	3.20	3.45	2.30	2.33
19	1.95	1.80	2.70	3.35	2.55	4.00	2.45	2.40	3.55	3.80	2.65	2.08
20	2.60	3.10	2.77	3.40	2.15	4.40	2.20	2.31	3.65	3.99	1.60	2.59
21	2.55	3.05	2.50	1.90	3.10	3.65	1.70	2.41	3.40	2.95	1.89	0.80
22	2.63	2.00	2.80	1.90	3.25	2.75	1.83	2.20	3.50	1.50	2.00	1.73
23	2.95	2.65	2.40	2.85	3.61	2.70	1.80	2.45	3.60	2.50	2.00	1.00
24	2.75	3.10	2.48	3.25	3.63	2.40	1.90	2.31	3.30	3.05	2.02	1.63
25	2.70	3.62	2.80	2.80	2.40	2.65	1.88	2.30	3.40	3.00	1.93	1.35
26	1.90	1.95	2.00	2.00	2.05	2.45	2.20	3.25	3.50	2.90	1.50	1.00
27	1.40	1.30	2.10	2.01	2.30	2.61	2.80	3.60	2.10	2.10	0.89	1.40
28	2.20	1.90	1.90	2.30	2.40	3.08	2.91	2.10	2.20	1.88	1.65	1.85
29	1.90	-----	2.00	2.65	2.60	3.21	2.92	2.60	2.78	3.00	2.00	1.30
30	1.40	-----	2.30	2.60	2.65	3.25	2.70	2.40	3.10	1.20	2.20	1.10
31	1.40	-----	1.50	-----	2.60	-----	2.20	2.32	-----	0.35	-----	2.10

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.03	2.20	2.00	2.46	2.78	2.96	2.55	2.50	3.04	2.79	2.22	2.04
MAX	3.20	3.62	3.15	3.51	3.98	4.40	3.10	3.60	4.40	3.99	3.91	3.71
MIN	0.90	1.30	-0.57	0.90	1.55	2.00	1.70	1.90	2.02	0.35	0.75	0.80
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

F=NOT AT STATED TIME G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 2.46.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 4.70 AT 12 NOON ON JUN 20.

LOWEST STAGE WAS MINUS 0.80 ON MAR 14.



## DAILY STAGE FOR 1993

## INTRACOASTAL WATERWAY AT LELAND BOWMAN LOCK (LA.) (EAST STAFF)

LOCATION. LAT. 29-47-00, LONG. 92-11-44. ON PILING 40 FEET EAST OF EAST GATE OF LOCK. (STA. 7676013.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. SEP. 25, 1933, TO DATE. ADD 0.6 TO DAILY STAGES PRIOR TO 1951.

EXTREMES. (FROM 1946 TO DATE) HIGHEST, 8.90 FEET (FROM HIGH WATER MARK) ON JUNE 27, 1957. LOWEST, MINUS 2.90 FEET ON JAN. 11, 1962.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.20	1.80	1.90 G	0.80	3.00 G	2.10	3.00 G	2.00 G	2.10 G	3.50 G	2.70	3.40
2	0.80	1.80	2.40 G	0.10 G	3.60 G	2.40	2.50 G	2.00 G	2.60 G	3.40 G	2.90	3.10
3	1.80	2.10	1.90 G	2.20	3.20 G	3.20	2.50 G	2.10 G	2.60 G	2.50 G	3.20 G	3.40
4	2.40	2.40	1.70	2.70	2.80 G	3.00	2.50 G	2.20 G	2.60 G	2.70 G	2.80 G	3.10
5	1.70	2.60	1.50	2.10	3.60 G	3.00	2.80 G	2.20 G	2.40 G	2.60	2.70	1.30
6	2.10	1.80	1.50	2.40	3.30 G	2.40	2.70 G	2.60 G	2.60 G	3.20 G	1.00	2.20
7	2.10	1.70	2.10 G	2.90	2.50 G	3.00	2.40 G	2.20 G	2.70 G	3.40 G	1.00	1.90
8	2.50	2.40	2.30	3.30	2.90 G	2.80	2.00 G	2.60 G	3.10 G	4.00 G	1.00	2.00
9	3.10	2.60	2.23	2.00 G	3.10 G	2.40	1.80 G	2.80 G	3.00 G	3.65 G	2.60	2.10
10	3.30	2.60	2.30	1.70	2.20 G	2.40	2.00 G	2.20 G	2.90 G	1.90 G	2.80	2.10
11	2.40	2.20	1.90	2.10	1.60 G	2.10	2.80 G	2.80 G	3.10 G	1.60 G	2.60	2.10
12	2.90	1.60 G	2.00	2.10	1.80 G	2.30	2.70 G	3.00 G	3.20 G	3.10 G	2.80	2.40
13	2.00	1.30 G	-0.60	2.00	1.70 G	2.30 G	3.00 G	3.00 G	3.70 G	3.40 G	3.10	4.10
14	1.80	1.40 G	-0.60	2.70	1.70 G	2.50 G	3.30 G	2.80 G	4.40 G	3.30 G	3.50	1.80
15	2.10 G	2.00 G	1.85	2.60	2.30 G	2.60 G	3.00 G	2.80 G	3.20 G	2.90 G	3.20	1.30
16	1.90 G	2.50 G	3.10	1.50	2.75 G	2.10 G	2.90 G	1.90 G	2.40 G	2.80 G	4.00	2.80
17	2.00	1.30	1.50	2.30	2.75 G	3.50 G	2.80 G	1.70 G	2.70 G	3.20	2.90	2.40
18	2.30 G	0.90	1.70	3.20	3.10 G	3.80	2.60 G	1.65 G	3.10 G	3.50	2.20	2.40
19	2.20 G	2.40 G	2.65	3.40 G	2.50 G	3.90	2.40 G	2.20 G	3.50 G	3.80	2.50	2.10
20	2.60 G	2.70 G	2.70	3.40 G	1.80 G	4.40	2.10 G	2.30 G	3.70 G	4.00	1.60	2.70
21	2.50 G	3.10 G	2.50	1.70 G	3.00 G	3.60	1.60 G	2.30 G	3.40 G	2.00	1.90	0.90
22	2.50 G	1.80 G	2.70	1.50 G	3.10	2.50	1.60 G	2.00 G	3.50 G	1.40	2.10	1.80
23	2.80 G	2.40	2.10	2.50 G	3.40	2.48	1.70 G	2.20 G	3.70 G	2.30	2.10	1.20
24	2.70 G	2.80	2.40	2.90 G	3.50	2.40	1.90 G	2.50 G	3.40 G	3.10	2.20	1.70
25	2.50 G	2.50	2.50	2.50 G	2.00	2.60 G	1.90 G	2.70 G	3.50 G	3.00	2.00	1.50
26	1.90 G	1.80	1.60	1.90 G	1.70	2.40 G	2.20 G	3.20 G	3.50 G	3.30	1.60	1.20
27	1.40	1.10	1.60	1.90 G	2.10	2.70 G	2.80 G	3.50 G	2.30 G	3.30	1.00 G	1.65
28	2.20	1.70	1.40	2.30 G	2.40	3.20 G	2.90 G	3.00 G	2.10 G	1.80	1.70 G	2.10
29	1.90	-----	1.60	2.80 G	2.40	3.20 G	2.40 G	2.70 G	2.80 G	3.10	2.20 G	1.90
30	1.40	-----	1.30	2.50 G	2.80	3.20 G	2.60 G	2.40 G	3.20 G	1.50	2.30 G	1.30
31	1.40	-----	2.20	-----	2.80	-----	2.00 G	2.20	-----	0.10	-----	2.30

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.14	2.05	1.87	2.27	2.63	2.82	2.43	2.44	3.03	2.82	2.34	2.14
MAX	3.30	3.10	3.10	3.40	3.60	4.40	3.30	3.50	4.40	4.00	4.00	4.10
MIN	0.80	0.90	-0.60	0.10	1.60	2.10	1.60	1.65	2.10	0.10	1.00	0.90
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 2.41.

HIGHEST STAGE WAS 4.40 ON JUN 20 AND LATER DATE(S).

LOWEST STAGE WAS MINUS 0.60 ON MAR 13 AND DATE(S).

## DAILY STAGE FOR 1993

## INTRACOASTAL WATERWAY AT LELAND BOWMAN LOCK (LA.) (WEST)

LOCATION. LAT. 29-47-05, LONG. 92-11-53. ON NORTH BANK AT WEST END OF LOCK. (STA. 7680013.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. SEP. 25, 1933, TO DATE. ADD 0.6 TO DAILY STAGES PRIOR TO 1951.

EXTREMES. HIGHEST, 8.9 FEET, FROM WATERMARK LEFT BY HURRICANE OF JUNE 27, 1957. LOWEST, MINUS 1.00 FOOT ON DEC. 24, 1966.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.42	2.00	2.10 G	2.50 G	3.05 G	2.40	3.01 G	2.20 G	2.05 G	1.70 G	2.41	2.60
2	2.09	2.00	2.50 G	2.50 G	3.15 G	2.40	2.80 G	2.20 G	2.20 G	1.70 G	2.30	2.50
3	2.13	2.30	2.20 G	2.50 G	3.10 G	2.40	2.65 G	2.15 G	2.11 G	1.72 G	2.40	2.49
4	2.13	2.50	2.10	2.90 G	3.00 G	2.40	2.60 G	2.10 G	2.05 G	1.70 G	2.50	2.86
5	2.50	2.60	1.70	2.30 G	3.10 G	2.35	2.80 G	2.15 G	1.94 G	1.70 G	2.62	1.60
6	2.40	2.08	1.78	2.80	3.14 G	2.35	3.05 G	2.15 G	1.95 G	1.70 G	2.65	2.12
7	2.30	2.10	2.00 G	2.95	3.08 G	2.21	2.80 G	2.15 G	1.85 G	1.65 G	2.45	1.85
8	2.70	2.32	2.05	3.40	3.16 G	2.10	2.25 G	2.10 G	1.87 G	1.60 G	2.39	1.90
9	3.20	2.20	2.52	2.70 G	3.04 G	2.10	2.45 G	2.05 G	1.90 G	1.70 G	2.45	2.00
10	3.40	2.70	2.60	2.40	2.93 G	2.10	2.45 G	2.13 G	1.90 G	1.65 G	2.55	2.09
11	2.60	2.75	2.30	2.45	1.95 G	2.15	2.88 G	2.11 G	1.70 G	1.61 G	2.45	2.00
12	3.00	1.95 G	2.40	2.35	1.95 G	2.08	2.82 G	2.10 G	1.80 G	1.53 G	2.47	2.40
13	2.30	1.65 G	3.10	2.60	1.79 G	2.15	2.85 G	2.14 G	1.75 G	1.60 G	2.52	2.35
14	2.10 G	1.80	2.30	3.05	1.90 G	2.12	2.80 G	2.18 G	1.95 G	1.85 G	2.50	2.10
15	2.40 G	2.45	2.30	3.50	2.40 G	2.15	2.81 G	2.15 G	1.75 G	1.80 G	3.13	1.60
16	2.20 G	2.50 G	2.50	3.50	2.62 G	2.05	2.85 G	2.10 G	1.78 G	1.90 G	3.50	2.65
17	2.20	2.40	1.99	2.70	2.65 G	2.00	2.85 G	2.00 G	1.75 G	1.80	2.95	2.38
18	2.40 G	2.50	2.05	3.28	2.75 G	2.00	2.75 G	2.00 G	1.75 G	1.85	2.60	2.32
19	2.30 G	2.45 G	2.69	3.40	2.68 G	2.10	2.60 G	2.01 G	1.70 G	1.85	2.95	2.12
20	2.70 G	2.60 G	2.62	3.40	2.30 G	2.50	2.25 G	2.00 G	1.74 G	1.75	2.11	2.49
21	2.70 G	2.75	2.55	3.00	2.40 G	2.95	1.85 G	2.06 G	1.89 G	1.85	2.20	2.00
22	2.70 G	2.50	2.69	2.20	2.40	2.90	2.00 G	2.10 G	1.75 G	1.73	2.40	1.78
23	3.00	2.60	2.40	2.90 G	2.37	2.90	2.20 G	2.12 G	1.75 G	1.85	2.29	1.40
24	2.90 G	2.35	2.50	3.30 G	2.45	3.10	1.85 G	2.04 G	1.80 G	1.90	2.25	1.68
25	2.70 G	2.30	2.80	2.75 G	2.50	2.95 G	1.95 G	2.00 G	1.75 G	1.95	2.20	1.52
26	2.10 G	2.15	2.20	2.29 G	2.10	2.79 G	1.90 G	2.00 G	1.75 G	1.85	1.90	1.40
27	1.60	1.71	2.20	2.21 G	2.40	2.85 G	1.90 G	2.20 G	1.80 G	1.90	1.39 G	1.99
28	2.40	2.10	2.10	2.70 G	2.40	3.11	2.40 G	2.09 G	1.75 G	1.94	1.90 G	2.10
29	2.10	-----	2.10	2.65 G	2.45	3.16	2.60 G	2.10 G	1.70 G	2.20	2.10 G	1.90
30	1.70	----- G	3.00 G	2.95 G	2.50	3.20	2.40 G	2.10 G	1.62 G	2.61	2.11 G	2.20
31	1.70	----- G	2.60	----- G	2.50	-----	2.30 G	2.10	----- G	2.60	----- G	2.30

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.42	2.30	2.35	2.80	2.59	2.47	2.50	2.10	1.84	1.83	2.40	2.09
MAX	3.40	2.75	3.10	3.50	3.16	3.20	3.05	2.30	2.20	2.61	3.50	2.86
MIN	1.60	1.65	1.70	2.20	1.79	2.00	1.85	2.00	1.62	1.53	1.39	1.40
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 2.31.

HIGHEST STAGE WAS 4.71 AT 5:15 P.M. ON APR 15.

LOWEST STAGE WAS 0.80 ON FEB 18.

## DAILY STAGE FOR 1993

## INTRACOASTAL WATERWAY AT CALCASIEU LOCK (LA.) (EAST)

LOCATION. LAT. 30-05-14, LONG. 93-17-28. NEAR EAST END OF LOCK, 10.5 MILES SOUTHWEST OF LAKE CHARLES, LA. (STA. 7688021.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JAN. 1, 1951, TO DATE. DISREGARD GAGE ZERO REPORTED PRIOR TO 1963, PRESENT ZERO IS CORRECT FOR ALL PERIODS.

EXTREMES. HIGHEST, 6.60 FEET (CAUSED BY HURRICANE) ON JUNE 28, 1957. LOWEST, MINUS 0.4 FOOT FROM JULY 8 TO 10, 1951.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO, MINUS 0.81 FOOT, M.L.G. (1957 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3.10	3.60	3.38	2.83	3.55	3.10	3.72	2.65	2.55	2.48	2.85	3.55
2	3.09	3.10	3.61	2.89	3.65	3.04	3.65	2.62	2.61	2.50	3.12	3.57
3	3.15	3.25	3.50	3.10	3.62	3.06	3.70	2.70	2.60	2.40	3.10	3.60
4	3.31	3.50	3.62	3.28	3.70	3.10	3.60	2.78	2.57	2.30	3.10	3.38
5	3.00	3.60	3.39	3.24	3.80	3.05	3.66	2.75	2.61	2.30	3.00	3.03
6	3.06	3.20	3.43	3.50	3.89	3.07	3.67	2.76	2.60	2.30	2.79	3.19
7	3.10	2.98	3.42	3.69	3.90	3.15	3.40	2.81	2.60	2.35	2.72	3.00
8	3.60	3.10	3.28	4.32	3.83	3.20	3.20	2.79	2.58	2.50	2.92	3.00
9	3.60	3.24	3.20	4.20	4.00	3.05	3.20	2.90	2.50	2.35	3.20	3.10
10	3.68	3.30	3.28	3.70	3.80	2.98	3.05	2.70	2.40	2.15	3.10	3.16
11	3.79	3.40	3.33	4.32	3.40	2.90	3.10	2.79	2.45	2.30	3.10	2.99
12	3.70	2.95	3.13	3.85	3.30	2.87	3.15	2.78	2.50	2.30	3.28	3.15
13	3.98	3.30	2.56	3.80	2.90	2.90	3.18	2.72	2.70	2.55	3.30	3.60
14	3.93	3.38	3.05	4.10	3.50	2.72	3.16	2.70	2.80	2.50	3.40	2.90
15	3.55	3.59	3.39	3.92	3.11	2.60	3.22	2.65	2.41	2.40	3.49	3.20
16	3.95	3.28	3.99	4.20	3.30	2.74	3.20	2.60	2.32	2.40	4.00	3.33
17	3.80	2.85	3.52	3.65	3.28	2.85	3.20	2.59	2.41	2.45	3.53	3.34
18	3.80	3.20	2.95	4.25	3.27	2.96	3.20	2.55	2.45	2.52	3.80	3.28
19	3.50	3.10	3.49	4.00	3.35	3.15	3.20	2.59	2.50	2.60	3.83	3.15
20	4.04	3.40	3.40	4.10	3.20	3.65	3.10	2.50	2.50	2.65	3.40	3.37
21	3.81	3.39	3.50	3.55	3.20	3.71	3.10	2.61	2.40	2.60	4.19	2.90
22	4.15	3.19	3.34	3.40	3.25	3.97	3.05	2.65	2.49	2.45	3.60	3.10
23	3.94	3.20	3.40	3.62	3.40	4.01	2.95	2.70	2.45	2.40	3.65	2.88
24	3.66	3.30	3.34	3.80	3.50	4.00	2.92	2.60	2.45	2.50	3.45	3.00
25	3.68	3.54	3.33	3.73	3.29	4.00	2.85	2.65	2.42	2.60	3.50	2.87
26	3.70	3.56	2.95	3.35	3.10	3.80	2.82	2.60	2.40	2.50	2.92	2.90
27	3.54	3.31	2.99	3.60	3.19	3.84	2.80	2.82	2.30	2.30	3.60	2.99
28	3.58	3.18	3.02	3.45	3.25	4.02	2.80	2.70	2.30	2.35	3.45	2.90
29	4.02	-----	2.90	3.40	3.20	3.91	2.75	2.69	2.35	2.50	2.95	2.89
30	3.75	-----	3.10	3.70	3.18	3.99	2.75	2.63	2.40	2.40	3.30	2.80
31	3.18	-----	2.76	-----	3.10	-----	2.70	2.70	-----	2.52	-----	2.92

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	3.60	3.29	3.28	3.68	3.42	3.31	3.16	2.69	2.49	2.43	3.32	3.13
MAX	4.15	3.60	3.99	4.32	4.00	4.02	3.72	2.90	2.80	2.65	4.19	3.60
MIN	3.00	2.85	2.56	2.83	2.90	2.60	2.70	2.50	2.30	2.15	2.72	2.80
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 3.15.  
 HIGHEST STAGE WAS 4.69 AT 8:15 P.M. ON APR 14.  
 LOWEST STAGE WAS 2.10 ON OCT 10.

## DAILY STAGE FOR 1993

## INTRACOASTAL WATERWAY AT CALCASIEU LOCK (LA.) (WEST STAFF)

LOCATION. LAT. 30-05-19, LONG. 93-17-40. NEAR WEST END OF LOCK, 10.5 MILES SOUTHWEST OF LAKE CHARLES, LA. (STA. 7692021.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. MAR. 6, 1951, TO DATE. DISREGARD GAGE ZERO REPORTED PRIOR TO 1963, PRESENT ZERO IS CORRECT FOR ALL PERIODS.

EXTREMES. HIGHEST, 9.0 FEET (CAUSED BY HURRICANE) ON JUNE 27, 1957. LOWEST, MINUS 0.7 FOOT ON DEC. 19, 1954.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO, MINUS 0.81 FOOT, M.L.G. (1957 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.30	2.30	2.75	1.90	3.15	3.10	3.70	2.80	2.70	3.80	2.60	4.00
2	2.20	2.20	3.50	1.60	3.75	3.45	3.40	2.70	2.90	3.70	3.40	3.70
3	2.80	2.90	3.00	2.70	3.95	3.50	3.40	2.70	3.00	3.20	3.60	4.10
4	3.20	3.20	2.80	2.90	3.65	3.50	3.40	2.60	2.50	3.35	3.50	4.10
5	2.60	3.50	2.20	3.00	4.00	3.30	3.30	2.60	2.80	3.40	3.60	2.50
6	2.80	3.10	2.60	2.90	4.00	3.00	3.30	2.90	3.10	3.55	1.80	2.90
7	2.90	2.90	2.90	3.70	3.50	3.15	3.00	2.80	3.20	3.80	2.00	2.60
8	3.60	3.00	2.90	4.00	3.40	3.30	3.00	2.80	3.30	4.10	3.10	2.70
9	3.50	3.00	3.00	2.60	3.50	3.50	2.90	2.90	3.40	4.20	3.20	2.80
10	3.70	3.20	2.90	2.50	3.30	3.00	2.90	3.00	3.30	2.80	3.10	3.00
11	3.20	3.00	2.50	3.00	2.50	2.80	3.20	3.20	3.20	3.40	3.20	2.90
12	3.40	2.40	2.70	2.90	2.70	2.80	3.20	3.20	3.60	4.10	3.70	2.95
13	2.60	2.00	0.00	2.80	2.20		3.45	3.30	3.90	4.00	3.80	4.50
14	2.40	2.20	0.50	3.50	2.40		3.60	3.20	4.60	3.60	3.80	2.70
15	2.80	3.00	1.60	3.40	3.20		3.50	3.10	3.10	3.50	3.90	2.00
16	3.20	3.20	3.80	2.50	3.30		3.30	2.90	3.30	3.60	4.40	3.10
17	2.80	2.30	2.40	3.20	3.30		3.50	2.60	3.30	3.80	3.50	3.15
18	3.10	2.40	2.40	3.50	3.60			2.50	3.50	4.20	3.40	3.00
19	2.90	2.90	3.30	3.80	3.30			2.80	4.10	4.20	3.40	2.80
20	2.90	3.20	3.50	3.70	3.20	4.60		2.70	4.00	4.30	2.40	3.50
21	3.30	3.70	3.10	3.00	3.30	4.20		2.70	3.80	3.40	2.70	1.70
22	3.20	3.00	3.40	2.60	3.45	3.70		2.70	3.90	2.40	2.70	2.50
23	3.40	3.00	3.20	3.00	3.50	3.90		3.00	3.90	3.15	3.00	2.00
24	3.10	3.20	3.10	3.55	4.00	3.65		3.00	3.55	3.50	2.60	2.30
25	3.10	3.80	3.30	3.10	3.10	3.50	2.90	3.00	3.90	3.80	2.60	2.00
26	3.00	2.75	2.40	2.40	2.50	3.40	3.00	3.20	3.90	3.80	2.30	2.00
27	2.50	2.20	2.60	2.40	2.80	3.50	3.30	3.50	3.10	3.00	1.70	2.50
28	3.00	2.80	2.70	2.80	3.00	3.90	3.30	3.20	3.10	2.80	2.90	2.70
29	2.60	-----	2.40	3.00	3.20	3.90	3.20	3.00	3.10	2.50	2.90	2.00
30	2.50	-----	2.60	3.10	3.45	3.95	2.80	2.90	3.50	1.90	3.10	2.10
31	2.50	-----	2.50	-----	3.50	-----	2.80	2.80	-----	1.60	-----	2.90

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.94	2.87	2.66	2.97	3.28	3.50	3.22	2.91	3.42	3.43	3.06	2.83
MAX	3.70	3.80	3.80	4.00	4.00	4.60	3.70	3.50	4.60	4.30	4.40	4.50
MIN	2.20	2.00	0.00	1.60	2.20	2.80	2.80	2.50	2.50	1.60	1.70	1.70
DAYS	31	28	31	30	31	23	24	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 351  
 THE MEAN STAGE FOR THE YEAR WAS 3.08.  
 HIGHEST STAGE WAS 4.60 ON JUN 20 AND LATER DATE(S).  
 LOWEST STAGE WAS 0.00 ON MAR 13.

## DAILY STAGE FOR 1993

## INTRACOASTAL WATERWAY AT CALCASIEU LOCK (LA.) (WEST AUTO.)

LOCATION. LAT. 30-05-19, LONG. 93-17-40. AT WEST END OF LOCK, 10.5 MILES SOUTHWEST OF LAKE CHARLES, LA. (STA. 7696021.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

RECORDS AVAILABLE. JAN. 1, 1951, TO DATE. DISREGARD GAGE ZERO REPORTED PRIOR TO 1963, PRESENT ZERO IS CORRECT FOR ALL PERIODS.

EXTREMES. HIGHEST, 8.80 FEET (CAUSED BY HURRICANE) ON JUNE 27, 1957. LOWEST, MINUS 1.32 FEET ON FEB. 28, 1984.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO, MINUS 0.81 FOOT, M.L.G. (1957 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.35	2.14	2.70	1.77	3.35	3.10	3.80	3.00	2.85	3.80	2.40	3.75
2	2.19	2.00	3.40	1.40	3.50	3.60	3.75	3.06	3.11	3.62	3.20	3.51
3	2.70	2.80	3.00	2.60	3.66	3.90	3.53	2.90	3.16	3.09	3.40	3.90
4	3.00	3.00	2.65	2.89	3.50	3.80	3.80	3.01	2.58	3.25	3.30	3.65
5	2.40	3.40	2.10	2.90	4.07	3.65	3.89	2.96	2.97	3.38	3.35	2.70
6	2.69	2.90	2.30	3.35	4.05	3.41	3.80	3.09	3.10	3.60	1.82	2.90
7	3.00	2.60	2.80	3.85	3.90	3.71	3.35	3.00	3.10	3.69	2.10	2.60
8	3.50	2.83	2.95	4.50	3.80	3.70	3.20	3.05	3.40	4.10	3.01	2.56
9	3.49	3.20	3.30	3.50	3.96	3.73	3.15	3.00	3.42	4.09	3.14	2.70
10	3.55	3.30	3.40	2.90	3.40	3.20	3.10	2.93	3.30	3.00	2.89	2.85
11	3.30	3.40	2.80	3.48	2.50	2.85	3.10	3.09	3.17	3.40	2.90	2.50
12	3.53	2.50	2.65	3.10	2.78	2.85	3.30	3.25	3.55	3.50	3.35	2.81
13	2.70	1.90	0.20	3.10	2.14	3.05	3.55	3.32	3.90	3.82	3.32	4.31
14	2.55	2.14	1.00	3.35	2.30	3.17	3.50	3.25	3.60	3.50	3.65	2.53
15	2.82	2.80	1.82	3.30	2.90	3.20	3.51	3.26	3.13	3.31	3.40	2.15
16	2.93	2.96	4.00	2.50	3.32	3.63	3.60	2.95	3.25	3.50	4.57	3.29
17	2.65	2.00	2.12	2.90	3.41	3.85	3.42	2.71	3.35	3.80	3.39	3.15
18	3.00	2.20	2.35	3.50	3.70	4.00	3.30	2.73	3.60	4.15	3.20	3.00
19	2.70	2.90	3.20	3.72	3.48	4.05	3.25	3.00	4.00	4.22	3.40	2.80
20	3.20	3.20	3.30	3.60	3.32	4.75	3.10	2.90	4.00	4.30	2.30	3.40
21	3.20	3.60	2.82	2.80	3.46	4.37	2.90	3.00	3.90	3.50	2.85	1.50
22	3.30	2.91	3.24	2.85	3.61	4.11	3.00	2.95	3.90	2.50	2.80	2.40
23	3.35	3.10	3.10	3.45	3.95	4.00	2.90	3.12	3.82	3.10	3.10	1.80
24	2.95	3.45	3.19	3.65	4.12	4.03	2.85	3.00	3.60	3.45	2.54	2.25
25	3.18	3.95	3.40	3.45	3.30	3.87	2.95	2.93	3.82	3.42	2.50	1.95
26	2.90	2.86	2.78	2.55	2.78	3.35	2.92	3.16	3.81	3.60	2.00	1.85
27	2.90	2.50	2.92	2.50	3.07	3.50	3.20	3.60	2.50	2.75	1.60	2.21
28	2.91	2.80	2.88	3.00	3.25	3.85	3.30	3.23	3.10	2.70	2.50	2.49
29	2.65	-----	2.61	3.03	3.25	3.90	3.12	3.15	3.11	3.32	2.48	1.79
30	2.45	-----	2.90	3.10	3.40	3.98	3.10	3.21	3.40	1.35	2.98	2.15
31	2.15	-----	2.52	-----	3.41	-----	3.05	3.00	-----	1.00	-----	2.70

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.91	2.83	2.72	3.09	3.38	3.67	3.30	3.06	3.38	3.35	2.91	2.71
MAX	3.55	3.95	4.00	4.50	4.12	4.75	3.89	3.60	4.00	4.30	4.57	4.31
MIN	2.15	1.90	0.20	1.40	2.14	2.85	2.85	2.71	2.50	1.00	1.60	1.50
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 3.11.  
 HIGHEST STAGE WAS 5.43 AT 11:30 A.M. ON JUN 20.  
 LOWEST STAGE WAS MINUS 0.20 ON MAR 13.

## DAILY STAGE FOR 1993

DELCAMBRE CANAL AT DELCAMBRE, LA.

LOCATION. LAT. 29-56-55, LONG. 91-58-58. ON RIGHT BANK WHARF 800 FEET DOWNSTREAM FROM STATE HIGHWAY 14 BRIDGE. (STA. 7950013.)

GAGE. STAFF TYPE IN SEVERAL SECTIONS.

GENERAL INFORMATION. THE LOCATION OF GAGE HAS BEEN CHANGED SEVERAL TIMES DURING PERIOD OF RECORD. THE GAGE HAS BEEN LOCATED AT THE PRESENT SITE SINCE JUNE 4, 1963.

RECORDS AVAILABLE. JAN. 1948 TO DATE.

EXTREMES. HIGHEST, 7.0 FEET, FROM WATERMARK LEFT BY HURRICANE OF JUNE 27, 1957. LOWEST, MINUS 3.2 FEET ON NOV. 17, 1951.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.8	1.2	1.2	0.6	2.6	1.4	1.8	1.2	1.0	2.8	1.2	2.8
2	0.4	1.2	2.4	0.2	2.8	2.0	1.4	1.0	1.6	2.6	2.0	2.4
3	1.2	1.4	1.6	1.6	2.4	2.2	1.4	1.2	1.8	2.4	2.2	2.6
4	2.2	2.0	1.2	2.4	2.0	1.8	1.4	1.4	1.6	2.0	2.4	2.8
5	1.4	2.4	0.6	1.8	2.2	2.2	1.4	1.2	1.8	2.0	2.6	1.2
6	1.4	1.4	0.8	1.0	2.2	1.8	1.8	1.8	2.0	2.6	0.2	1.8
7	1.6	1.2	1.4	1.8	1.6	1.6	1.4	1.6	2.2	2.6		1.0
8	2.0	1.4	1.4	3.6	2.0	2.0	1.0	2.0	2.4	3.0	2.0	1.8
9	2.2	1.4	1.2	2.6	2.4	2.4	1.2	2.2	2.4	3.0	2.2	1.8
10	2.8	1.6	1.4	1.0	2.4	1.8	1.6	1.8	2.4	1.0	1.8	2.0
11	1.2	1.8	0.8	1.4	1.0	1.6	2.2	2.2	2.0	1.8	2.0	1.6
12	1.4	1.4	1.2	1.4	1.0	1.6	2.0	2.4	2.8	2.2	2.6	1.4
13	1.2	1.0		1.2	1.2	1.8	2.2	2.2	2.8	2.6	3.0	3.4
14	0.8	1.0		2.2	1.0	1.8	2.4	1.8	3.2	2.6	2.8	2.0
15	1.4	1.8	0.2	2.8	1.8	1.4	2.0	1.8	2.4	2.2	3.2	0.4
16	0.6	2.6	2.6	0.2	2.2	2.4	1.8	1.0	1.4	2.2	3.4	2.0
17	1.0	0.2	1.0	1.4	2.0	2.2	2.0	0.8	1.6	2.8	2.8	1.8
18	1.8	0.2	1.0	2.4	2.2	2.8	2.0	1.0	2.2	2.8	1.4	1.8
19	1.8	1.0	2.0	2.4	1.8	2.8	1.4	1.4	2.6	3.2	2.0	1.2
20	2.6	2.4	2.2	2.4	1.0	3.4	1.2	1.4	3.0	3.2	0.4	2.4
21	2.8	2.6	1.6	0.8	1.6	2.6	0.6	1.6	2.8	2.2	1.0	0.2
22	2.2	1.4	2.0	0.2	2.2	2.0	1.0	1.6	3.0	0.2	1.6	1.4
23	2.0	1.2	1.4	1.4	2.8	1.6	1.0	2.0	2.8	1.4	1.6	0.4
24	2.0	1.6	1.2	2.0	2.6	1.8	1.2	2.0	2.6	2.4	1.6	0.4
25	1.4	2.6	1.6	2.0	1.6	1.8	1.2	1.8	2.6	2.4	1.4	0.6
26		1.4	0.8	1.0	1.0	1.8	1.6	2.2	2.6	2.6	0.4	0.4
27		0.8	1.0	1.0	1.2	2.2	2.2	2.4	1.4	1.4	0.2	1.4
28	1.4	1.0	1.0	1.6	1.8	2.4	1.8	2.0	1.0	1.0	0.2	2.0
29	1.0	-----	1.0	1.8	2.2	2.2	1.4	1.8	1.8	2.6	1.8	1.2
30	0.2	-----	1.4	2.2	2.0	2.2	1.4	1.4	2.2	1.8	1.8	0.2
31	0.2	-----	1.4	-----	2.2	-----	1.2	1.2	-----	0.2	-----	1.6

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.5	1.5	1.3	1.6	1.9	2.1	1.6	1.7	2.2	2.2	1.8	1.5
MAX	2.8	2.6	2.6	3.6	2.8	3.4	2.4	2.4	3.2	3.2	3.4	3.4
MIN	0.2	0.2	0.2	0.2	1.0	1.4	0.6	0.8	1.0	0.2	0.2	0.2
DAYS	29	28	29	30	31	30	31	31	30	31	29	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 360

THE MEAN STAGE FOR THE YEAR WAS 1.7.

HIGHEST STAGE WAS 3.6 ON APR 8.

LOWEST STAGE WAS 0.2 ON JAN 30 AND LATER DATE(S).

## DAILY STAGE FOR 1993

## BAYOU LAFOURCHE AT GOLDEN MEADOW FLOODGATE (NORTH) (LA.)

LOCATION. LAT. 29-20-33, LONG. 90-14-44. APPROXIMATELY TWO MILES SOUTH OF GOLDEN MEADOW LA. ON THE UPSTREAM SIDE OF FLOODGATE. (STA. 8225007. )

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JUNE 13, 1986 TO NOV. 25, 1992, AND JAN. 6, 1992 TO DATE.

EXTREMES. HIGHEST, 2.57 FEET ON NOV. 25, 1986. LOWEST, MINUS 1.08 FEET ON JAN. 28, 1988.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ. )

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		0.04	0.23	0.11	1.21	1.09	1.10	0.76	1.08			0.75
2		0.05	0.41	-0.24	1.59	1.31	1.02	0.87	1.22			0.97
3		0.31	0.71	0.11	1.58	1.14	0.94	0.90	1.66			1.30
4		0.58	0.47	0.93	1.29	1.09	1.03	1.02				1.35
5		0.80	0.18	0.88	1.36	1.11	1.01	1.03				0.66
6			0.87	-0.05	0.80	1.34	0.95	1.03	1.13			0.58
7	0.90	0.54	0.34	0.83	1.21	1.02	0.89	1.53				0.26
8	1.25	0.59	0.06	1.00	1.20	1.08	0.75	1.42				0.17
9	1.22	0.67	0.14	1.08	1.27	1.16	1.42	1.32				0.21
10	1.35	0.57	0.29	0.58	1.17	1.11	1.26	1.18				0.47
11	1.45	0.88	0.20	0.47	0.85	0.98	1.29	1.29				0.63
12	1.49	0.54	0.33	0.33	0.88	1.01	1.21	1.29				
13	0.68	0.07	0.13	0.47	0.70	1.08	1.44	1.31				
14	0.76	-0.14	0.19	0.86	0.55	1.03	1.78	1.12				
15	0.97	0.07	-0.24	1.14	0.84	1.16	1.19	1.00				
16	1.00	0.66	0.47	0.36	1.02	1.30	1.26	1.10				
17	0.91	1.29	0.45	0.34	1.04	1.47	1.10	0.80				
18	0.64	1.23	0.49	0.38	1.22	1.62	1.09	0.87				
19	0.67	1.08	0.39	0.86	1.21	1.86	0.96	1.30				
20	1.25	0.57	0.50	1.16	1.11	1.92	0.82	1.38				
21	1.39	1.02	0.52	0.41	1.16	1.60	0.67	1.46				
22	1.79	0.83	0.72	0.53	1.22	1.47	0.95	1.45				
23	1.39	0.75	0.57	0.60	1.33	1.39	0.81	1.26				
24	1.24	0.77	0.59	0.71	1.33	1.40	0.75	1.19				
25	1.80	1.22	0.79	0.89	1.35	1.27	1.04	1.27				
26	1.58	0.84	0.75	0.61	1.19	1.27	0.91	1.52				
27	1.29	1.08	0.58	0.48	1.23	1.28	1.08	1.60				
28	0.81	0.56	0.51	0.78	1.45	1.39	1.12	1.62				
29	0.21	-----	0.39	0.98	1.45	1.26	1.10	1.27				
30	0.71	-----	0.59	1.03	1.45	1.22	1.07	1.30			0.48	
31	0.48	-----	0.68	-----	1.40	-----	0.89	1.29	-----		-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.09	0.66	0.40	0.65	1.20	1.27	1.06	1.22	1.32		0.48	0.67
MAX	1.80	1.29	0.79	1.16	1.59	1.92	1.78	1.62	1.66		0.48	1.35
MIN	0.21	-0.14	-0.24	-0.24	0.55	0.95	0.67	0.76	1.08		0.48	0.17
DAYS	25	28	31	30	31	30	31	31	3	0	1	11

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 252  
 THE MEAN STAGE FOR THE YEAR WAS 0.93.  
 HIGHEST STAGE WAS 1.94 AT 6:00 P.M. ON JUN 20.  
 LOWEST STAGE WAS MINUS 1.06 ON MAR 14.

## DAILY STAGE FOR 1993

## BAYOU LAFOURCHE AT GOLDEN MEADOW FLOODGATE (SOUTH) (LA.)

LOCATION. LAT. 29-20-30, LONG. 90-14-44. APPROXIMATELY TWO MILES SOUTH OF GOLDEN MEADOW LA. ON THE  
DOWNSTREAM SIDE OF FLOODGATE. (STA. 8226007.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JUNE 13, 1986 TO NOV. 25, 1992, AND JAN. 6, 19 93 TO DATE.

EXTREMES. HIGHEST, 2.92 FEET ON OCT. 29, 1991. LOWEST, (FROM INCOMPLETE RECORD) MINUS 1.01 FEET ON  
DEC. 25, 1989.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ. )

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		0.05	0.70	0.21	1.30	1.07	1.08	0.83	1.00	1.41	0.57	0.75
2		0.13	0.36	0.47	1.60	1.28	0.99	0.92	1.22	1.45	0.62	1.02
3		0.41	0.65	0.61	1.59	1.19	0.89	0.96	1.47	1.18	0.71	1.36
4		0.84	0.85	1.14	1.27	1.13	1.00	0.90	0.94	1.25	1.19	1.43
5		1.05	0.50	1.18	1.52	1.14	0.99	0.91	1.17	1.36	1.34	0.70
6		1.15	0.34	1.43	1.52	0.97	0.99	1.00	1.49	1.94	0.91	0.64
7	0.82	0.80	0.60	0.84	1.37	1.03	0.88	1.32	1.53	1.86	0.58	0.34
8	1.23	0.84	0.45		1.16	1.06	0.66	1.25	1.57	2.09	1.04	0.24
9	1.17	0.93	0.40		1.43	1.14	1.04	1.14	1.59	2.02	0.83	0.29
10	1.26	0.54	0.34		1.32	1.10	1.05	1.06	1.49	2.16	0.72	0.52
11	1.37	0.80	0.27		1.04	0.95	1.07	1.15	1.36	2.47	0.74	0.66
12	1.39	0.59	0.46	0.33	1.05	0.98	1.10	1.23	1.41	2.03	1.12	0.51
13	0.71	0.34	0.60	0.45	0.90	1.01	1.27	1.24	1.57	1.97	1.47	1.06
14	0.81	0.18	0.77	0.91	0.75	0.94	1.45	1.06	1.81	1.90	1.77	1.18
15	1.02	0.01	-0.96		1.01	1.08	1.21	0.96	1.56	1.76	1.69	0.57
16	1.10	0.57	0.51	0.32	1.20	1.26	1.14	0.95	1.18	1.68	1.57	0.68
17		1.76	0.56	0.37	1.23	1.48	1.11	0.69	1.20	1.83	1.56	0.43
18		1.79	0.21		1.38	1.83	1.09	0.77	1.44	1.92	1.09	0.49
19		1.75	0.41		1.36	1.93	0.99	1.17	1.83	1.90	1.26	0.52
20	1.25	0.87	0.51	1.21	1.14	1.99	0.84	1.35	1.89	2.04	0.74	0.99
21	1.28	1.05	0.52	0.58	1.20	1.66	0.66	1.11	1.89	2.16	0.66	0.15
22	1.01	0.85	0.74	0.37	1.27	1.45	0.84	1.16	1.78	2.28	0.49	0.26
23	1.00	1.18	0.59	0.63	1.40	1.37	0.81	1.05	1.68	2.36	0.37	-0.02
24		1.30	0.87		1.41	1.37	0.87	1.05	1.54	1.55	0.35	0.07
25	0.91	1.22	1.09		1.41	1.25	1.00	1.11	1.53	1.53	0.28	-0.10
26	0.84	1.04	0.96		1.23	1.22	1.01	1.40	1.54	1.48	0.31	-0.60
27	0.37	1.87	1.10		1.21	1.24	1.17	1.47	1.04	1.15	0.05	-0.37
28	0.35	1.30	0.76	0.79	1.47	1.37	1.22	1.40	1.14	0.93	0.40	0.05
29	0.21	-----	0.45	1.03	1.46	1.25	1.11	1.18	1.26	1.19	0.51	0.24
30	0.29	-----	0.63	1.07	1.43	1.22	1.11	1.13	1.33	1.31	0.34	-0.17
31	-0.01	-----	0.74	-----	1.37	-----	0.94	1.07	-----	0.77	-----	0.20

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.88	0.90	0.55	0.73	1.29	1.27	1.02	1.10	1.45	1.71	0.84	0.45
MAX	1.39	1.87	1.10	1.43	1.60	1.99	1.45	1.47	1.89	2.47	1.77	1.43
MIN	-0.01	0.01	-0.96	0.21	0.75	0.94	0.66	0.69	0.94	0.77	0.05	-0.60
DAYS	21	28	31	19	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 344  
THE MEAN STAGE FOR THE YEAR WAS 1.03.  
HIGHEST STAGE WAS 2.56 AT 7:00 A.M. ON OCT 11.  
LOWEST STAGE WAS MINUS 1.00 ON MAR 15.



## DAILY STAGE FOR 1993

## BAYOU LAFOURCHE AT LEEVILLE, LA.

LOCATION. LAT. 29-14-52, LONG. 90-12-32. ON WHARF, NORTHEAST OF HIGHWAY 1 BRIDGE. (STA. 8235007.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. ADD 0.4 TO DAILY STAGES PRIOR TO 1956.

RECORDS AVAILABLE. NOV. 4, 1955 TO DATE.

EXTREMES. HIGHEST, 6.62 FEET (CAUSED BY HURRICANE) ON OCT. 28, 1985. LOWEST, MINUS 1.44 FEET ON FEB. 27, 1965.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.99	0.63	0.75	1.19	1.92	1.80	1.99	1.70	1.70	1.71	0.84	1.30
2	0.84	0.70	1.38	0.59	2.37	2.20	1.93	1.78	1.90	1.66	0.89	1.64
3	1.02	0.89	1.49	0.85	2.40	2.10	1.82	1.72	2.12	1.47	1.14	2.00
4	1.40		1.06	1.15	2.10	2.05	1.90	1.70	1.48	1.62	1.60	2.15
5	1.34		0.49	1.70	2.21	2.00	1.76	1.67	1.67	1.75	1.86	1.47
6	1.10		0.39	1.65	2.16	1.82	1.79	1.74	2.00	2.00	1.44	1.41
7	0.96		0.68	1.70	2.05	1.90	1.67	2.00	2.10	2.20	1.05	1.16
8	1.50		0.85	1.51	1.98	1.85	1.49	1.75	2.16	2.46	1.60	0.95
9	1.45		1.03	2.03	2.01	1.91	1.68	1.73	2.29	2.57	1.21	1.05
10	1.50		1.35	1.50	1.89	1.90	1.67	1.78	2.20	2.15	1.30	1.10
11	1.79		1.15	1.41	1.55	1.75	1.71	1.90	2.10	2.25	1.17	1.00
12	2.05		1.25	1.25	1.72	1.78	1.90	2.14	2.32	2.12	1.42	0.95
13	1.15		0.19	1.35	1.62	1.83	2.04	2.18	2.39	2.18	1.65	1.51
14	1.00		0.10	1.60	1.34	1.77	2.02	2.05	2.65	1.88	1.92	1.80
15	1.23		0.10	2.10	1.66	2.02	2.01	1.95	2.21	1.66	1.90	1.25
16	1.20 F	1.58	1.40	1.05	1.85	2.20	2.00	1.82	1.84	1.82	1.75	1.16
17	0.91	0.58	0.90	1.11	1.89	2.38	1.99	1.58	1.75	2.13	1.99	1.05
18	0.79	0.68	0.82	1.16	2.15	2.51	1.97	1.60	1.90	2.30	1.50	1.17
19	0.84	0.67	0.95	1.69	2.08	2.74	1.80	1.62	2.35	2.30	1.86	1.20
20	1.34	0.97	1.01	1.91	2.00	2.80	1.68	1.45	2.42	2.45	1.10	1.90
21	1.57	1.73	1.00	1.27	1.91	2.54	1.47	1.49	2.44	2.41	1.20	0.85
22	1.30	1.30	1.45	1.30	2.02	2.33	1.59	1.75	2.37	1.80	0.99	1.07
23	1.43	1.16	1.51	1.59	2.20	2.23	1.51	1.72	2.38	2.07	1.08	0.70
24	1.80	1.23	1.37	1.66	2.20	2.18	1.55	1.75	2.35	2.19	0.90	0.69
25	1.40	1.88	1.75	1.75	2.15	2.04	1.70	1.72	2.36	2.20	0.75	0.60
26	1.70	1.55	1.75	1.42	1.95	1.99	1.68	2.17	2.33	2.06	0.72	0.10
27	1.32	1.27	1.61	1.18	1.90	2.05	1.96	2.25	1.63	1.74	0.45	0.12
28	1.13	1.13	1.50	1.55	2.17	2.25	2.10	2.00	1.41	1.48	0.75	0.46
29	1.10	-----	1.43	1.68	2.17	2.17	1.97	2.00	1.53	1.70	0.80	0.75
30	0.92	-----	1.60	1.80	2.16	2.15	2.04	1.90	1.49	1.70	0.79	0.21
31	0.89	-----	1.69	-----	2.15	-----	1.83	1.80	-----	0.55	-----	0.70

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.26	1.12	1.10	1.46	2.00	2.11	1.81	1.82	2.06	1.95	1.26	1.08
MAX	2.05	1.88	1.75	2.10	2.40	2.80	2.10	2.25	2.65	2.57	1.99	2.15
MIN	0.79	0.58	0.10	0.59	1.34	1.75	1.47	1.45	1.41	0.55	0.45	0.10
DAYS	31	16	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 353

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.60.

HIGHEST STAGE WAS 2.98 AT 10:45 A.M. ON JUN 20.

LOWEST STAGE WAS MINUS 0.25 ON MAR 14.

## DAILY STAGE FOR 1993

## WHITE BAYOU NEAR ZACHARY, LA.

LOCATION. LAT. 30-38-12, LONG. 91-07-39. LOWER ZACHERY ROAD, TWO MILES SOUTHEAST OF ZACHARY, LA.  
(STA. 8501909.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U. S. GEOLOGICAL SURVEY. PRIOR TO AUG. 1972,  
GAGE WAS MAINTAINED BY U. S. ARMY CORPS OF ENGINEERS, NEW ORLEANS DISTRICT, AND THE GAGE ZERO  
WAS AT NGVD. ALSO, DAILY READINGS WERE AT EIGHT A.M.

RECORDS AVAILABLE. JAN. 1965 TO DATE.

EXTREMES. HIGHEST, 23.24 FEET ON APR. 6, 1983. LOWEST, 2.01 FEET ON OCT. 6, 1993 AND LATER DATE(S).  
EXTREMES HAVE BEEN CORRECTED TO PRESENT DATUM.

## MEAN DAILY STAGE IN FEET

GAGE ZERO, 65.00 FEET, NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		2.66	2.99	2.46	2.52	2.31	2.72		2.27	2.04	2.75	2.27
2		2.61	11.61	2.41	6.50	2.29	2.56		2.28	2.04	2.47	2.26
3		2.57	12.42	2.52	10.65	2.28	2.44		3.37	2.04	2.34	2.28
4		2.54	5.68	14.79	4.59	2.27	2.45		2.93	2.03	2.33	4.12
5		2.51	3.65	12.14	3.17	2.24	3.86		2.66	2.03	2.45	3.00
6		2.51	3.11	4.62	2.85	2.33	2.95		2.54	2.02	2.90	2.56
7		2.51	2.85	3.95	2.70	2.36	2.61		2.39	2.04	2.67	2.41
8		2.52	2.71	18.57	2.60	2.32	2.43		2.28	2.96	2.45	2.33
9		2.46	2.62	18.25	2.54	2.31	2.32		2.23	2.60	2.55	2.29
10		2.60	2.54	7.78	2.56	2.30	2.57		2.19	2.21	2.65	3.66
11		4.95	2.48	3.90	2.50	2.28	2.46		2.14	2.39	2.50	3.65
12		5.11	3.22	3.25	2.62	2.62	2.32		2.11	2.17	2.39	2.74
13		3.76	6.42	2.97	5.44	2.96	3.27		2.17	2.11	2.30	7.06
14		3.15	4.25	4.27	3.52	2.52	3.13		2.28	2.09	2.41	10.10
15		2.87	3.13	14.06	2.82	2.38	2.54		2.21	2.06	14.43	5.08
16		4.20	5.66	9.13	2.64	2.32	2.34		2.16	2.05	18.18	3.41
17		5.81	9.51	3.85	2.57	2.30	2.25		2.15	2.03	8.10	2.89
18		3.60	4.99	3.17	2.46	2.75	2.54	2.66	2.13	2.03	3.63	2.70
19		3.03	3.55	2.93	2.39	2.48	2.52	2.42	2.11	2.02	2.98	2.59
20		2.76	6.16	2.82	2.35	2.55	2.31	3.70	2.09	2.01	2.73	2.56
21		2.66	8.38	3.07	2.31	2.85	2.23	4.08	2.08	2.19	2.60	2.51
22		2.59	4.77	3.04	2.29	3.73	2.19	2.79	2.07	2.24	2.49	2.65
23		2.51	3.86	2.78	2.27	3.11	2.16	2.58	2.07	2.07	2.43	4.60
24		2.47	3.85	2.65	2.26	2.76	2.13	2.40	2.06	2.04	2.39	4.17
25		3.68	3.63	2.56	2.27	4.11	2.11	2.29	2.05	2.03	2.36	3.20
26		7.57	3.93	2.52	2.32	6.05	2.10	2.28	2.13	2.04	2.33	2.80
27	3.01	4.48	3.53	2.50	2.51	8.75		2.44	2.22	2.04	2.32	2.65
28	2.89	3.23	2.91	2.44	2.38	5.07		2.33	2.07	2.03	2.30	2.58
29	2.81	-----	2.73	2.41	2.37	3.86		2.62	2.05	3.43	2.30	3.93
30	2.77	-----	2.61	2.40	2.43	3.05		2.59	2.04	6.19	2.29	3.27
31	2.71	-----	2.52	-----	2.36	-----		2.36	-----	3.72	-----	3.04

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.84	3.35	4.59	5.47	3.09	3.05	2.52	2.68	2.25	2.35	3.63	3.40
MAX	3.01	7.57	12.42	18.57	10.65	8.75	3.86	4.08	3.37	6.19	18.18	10.10
MIN	2.71	2.46	2.48	2.40	2.26	2.24	2.10	2.28	2.04	2.01	2.29	2.26
DAYS	5	28	31	30	31	30	26	14	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 317

THE MEAN STAGE FOR THE YEAR WAS 3.34.

HIGHEST STAGE (FROM HIGH WATER MARK) WAS 21.15 BETWEEN JAN 19 AND 21.  
LOWEST STAGE WAS 2.01 ON OCT 6 AND LATER DATE(S).

## DAILY STAGE FOR 1993

## AMITE RIVER NEAR DENHAM SPRINGS, LA.

LOCATION. LAT. 30-27-50, LONG. 90-59-25. U. S. HIGHWAY 190 (WESTBOUND) BRIDGE, THREE MILES  
SOUTHWEST OF DENHAM SPRINGS, LA. (STA. 8504009.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U. S. GEOLOGICAL SURVEY. DRAINAGE AREA, 1,280  
SQUARE MILES. PRIOR TO 1977 GAGE ZERO WAS 3.87 FEET, NGVD.

RECORDS AVAILABLE. STAGE, SEP. 1938 TO DATE. PUBLISHED BY CORPS OF ENGINEERS SINCE 1946.  
DISCHARGE, 1955, OBSERVED BY CORPS OF ENGINEERS. COMPUTED DAILY, IN REPORTS OF U.S. GEOLOGICAL  
SURVEY.

EXTREMES. HIGHEST, 41.50 FEET ON APR. 8, 1983. LOWEST, 8.43 FEET ON NOV. 18, 1938. EXTREMES  
HAVE BEEN ADJUSTED TO NGVD.

## MEAN DAILY STAGE IN FEET

## GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	12.59	13.58	13.83	13.70	12.80	11.63	12.10	11.41	11.18	10.47	12.38	11.64
2	12.45	13.36	17.46	13.34	13.61	11.58	11.65	11.81	10.97	10.45	11.53	11.58
3	12.34	13.19	25.51	13.17	18.70	11.54	11.44	11.14	10.87	10.45	11.11	11.54
4	12.25	13.05	26.99	23.52	21.11	11.50	11.59	11.08	10.84	10.43	10.95	12.28
5	12.27	12.91	26.40	26.73	18.74	11.47	11.42	11.07	10.92	10.42	11.14	12.84
6	12.37	12.83	23.73	25.82	15.13	11.45	11.23	11.25	10.93	10.42	11.23	12.87
7	13.77	12.75	17.82	22.55	13.98	11.40	11.15	11.58	10.88	10.40	11.39	12.22
8	22.57	12.70	15.13	25.36	13.42	11.37	11.09	12.73	10.92	10.40	11.14	11.82
9	24.77	12.63	14.34	30.09	13.08	11.35	11.34	12.11	11.11	10.41	11.08	11.64
10	23.20	12.62	13.86	30.63	12.84	11.34	11.27	11.84	10.83	10.46	11.18	11.99
11	22.13	13.64	13.52	28.06	12.72	11.48	11.40	11.24	10.67	10.42	11.10	12.46
12	24.06	14.61	13.44	24.86	12.74	11.51	11.68	11.01	10.60	10.40	11.04	12.51
13	25.99	15.69	15.70	19.61	13.26	11.38	11.97	10.91	10.58	10.42	10.92	13.44
14	25.25	14.58	16.58	16.63	13.10	11.32	12.40	10.86	10.65	10.54	10.85	19.28
15	21.70	13.64	15.52	24.53	12.63	11.42	12.65	10.94	10.82	10.75	16.92	19.63
16	16.97	14.58	14.96	25.65	12.40	11.35	12.69	12.64	10.80	10.94	25.14	16.93
17	15.22	14.99	19.89	23.77	12.24	11.23	12.22	12.09	10.75	10.72	27.36	14.46
18	14.47	14.80	20.91	18.88	12.12	11.23	11.84	11.23	10.70	10.59	25.88	13.34
19	13.97	13.91	17.11	15.84	12.08	11.26	11.77	10.96	10.64	10.52	22.32	12.84
20	21.45	13.30	16.90	14.93	12.00	11.37	11.31	11.59	10.61	10.48	17.30	12.53
21	33.79	13.12	21.21	14.58	11.93	12.49	11.31	13.53	10.56	10.53	14.43	12.28
22	37.20	13.12	20.00	14.41	11.86	12.53	13.37	12.16	10.53	10.68	13.44	12.22
23	32.44	12.71	16.72	14.09	11.80	13.15	14.87	11.98	10.54	10.65	12.91	12.82
24	27.46	12.52	18.87	13.69	11.76	13.30	13.30	11.37	10.54	10.56	12.58	13.10
25	22.81	13.12	18.95	13.45	11.79	13.42	12.90	11.24	10.52	10.54	12.34	13.07
26	17.92	16.37	18.36	13.25	11.84	12.94	12.27	10.94	10.51	10.51	12.15	12.64
27	15.80	15.81	21.63	13.11	12.11	15.89	11.70	10.85	10.71	10.48	12.05	12.34
28	15.02	14.81	19.93	12.95	12.10	13.47	11.52	10.80	10.80	10.46	11.90	12.11
29	14.50	-----	16.16	12.79	11.88	13.37	11.56	10.82	10.89	12.39	11.81	12.34
30	14.17	-----	14.79	12.68	11.78	12.72	11.89	11.27	10.60	17.55	11.72	12.77
31	13.84	-----	14.13	-----	11.73	-----	11.79	11.30	-----	13.65	-----	13.09

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	19.51	13.75	18.08	19.09	13.20	12.05	11.96	11.48	10.75	10.91	13.91	13.12
MAX	37.20	16.37	26.99	30.63	21.11	15.89	14.87	13.53	11.18	17.55	27.36	19.63
MIN	12.25	12.52	13.44	12.68	11.73	11.23	11.09	10.80	10.51	10.40	10.85	11.54
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
THE MEAN STAGE FOR THE YEAR WAS 13.98.  
HIGHEST STAGE WAS 38.15 AT 4:30 A.M. ON JAN 22.  
LOWEST STAGE WAS 10.39 ON OCT 7 AND LATER DATE(S)



## DAILY STAGE FOR 1993

## AMITE RIVER AT PORT VINCENT, LA.

LOCATION. LAT. 30-19-57, LONG. 90-51-07. ON SOUTH SIDE OF HIGHWAY 42 BRIDGE. (STA. 8517509.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U. S. GEOLOGICAL SURVEY. PRIOR TO OCT. 23, 1983, GAGE WAS MAINTAINED BY U. S. ARMY CORPS OF ENGINEERS, NEW ORLEANS DISTRICT. ALSO, DAILY READINGS WERE AT EIGHT A.M.

RECORDS AVAILABLE. DEC. 15, 1954 TO JUNE 18, 1974 AND JUNE 21, 1975 TO DATE .

EXTREMES. HIGHEST, 14.59 FEET ON APR. 9, 1983. LOWEST, MINUS 1.60 FEET ON DEC. 19, 1954.

## MEAN DAILY STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.20	1.34		0.58	2.66		0.79	1.12	1.60	2.03	1.17	1.27
2		1.25		0.09	2.96		0.72	1.13	2.00	2.08	1.31	1.83
3		1.81		0.85	2.91		0.80	1.33	1.93	1.78	1.55	2.14
4		2.22		3.16	2.79		1.06	1.37	1.38	1.67	1.53	2.03
5		2.06		3.91	2.67		1.17	1.15	1.64	1.72	1.56	1.49
6		1.83		4.34	2.29		1.24	1.00	1.92	1.84	1.23	1.01
7		1.09		4.20	1.95	1.12	1.17	0.96	1.87	1.94	1.09	1.20
8		0.90		4.90	1.92	1.32	1.02	0.99	1.87	2.40	1.40	1.40
9		0.88		5.76	2.20	1.37	1.26	1.23	1.84	2.30	1.81	1.34
10		1.11		7.57	2.32	1.40	1.32	1.20	1.58	1.96	1.77	1.47
11		1.21		8.13	2.17		1.09	1.36	1.41	1.86	1.64	1.39
12		1.14		6.97	1.93		1.05	1.49	1.47	1.83	1.92	1.49
13				5.25	1.50		1.17	1.49	1.75	2.08	2.15	1.91
14				3.43	1.07		1.15	1.18	2.05	2.27	2.25	2.01
15				3.87	1.23	1.30	1.26	0.84	2.13	2.44	2.37	1.86
16				3.98	1.19	1.50	1.24	1.04	1.88	2.48	2.86	1.61
17			2.59	3.87	1.06	1.92	1.15	1.03	1.94	2.49	3.13	1.32
18			2.59	3.19	1.06	2.50	1.08	1.20	2.12	2.39	3.46	1.21
19			2.22	2.09	0.99	2.89	1.08	1.09	2.20	2.27	3.30	1.24
20			2.38	1.82	1.15	3.04	0.96	1.01	2.18	2.24	2.34	1.59
21	6.75		2.91	1.64	1.52	3.05	0.94	1.03	2.10	2.22	1.51	1.08
22	10.60		2.84	1.25	1.75	2.76	1.21	0.77	2.03	2.14	1.47	1.12
23	11.72		2.23	1.11	1.84	2.51	1.13	0.57	1.93	2.04	1.26	1.21
24	10.59		1.76	1.26	1.92	2.29	0.73	0.48	1.65	2.19	1.23	1.22
25	8.45		1.97	1.55	2.09	2.29	0.76	0.94	1.36	2.22	1.02	0.74
26	6.22		1.93	1.74		1.92	0.86	1.61	1.28	2.17	0.97	0.37
27	4.36		1.98	1.85		1.85	0.84	1.77	1.23	1.80	0.94	0.48
28	3.20		2.06	2.11		1.66	0.82	1.54	1.35	1.44	0.94	0.66
29	2.36	-----	1.60	2.33		1.44	1.01	1.39	1.64	2.07	0.85	0.71
30	1.98	-----	1.43	2.50		1.13	1.10	1.31	1.98	2.73	0.95	0.74
31	1.64	-----	1.26	-----		-----	1.12	1.43	-----	1.70	-----	1.07

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	5.76	1.40	2.12	3.18	1.89	1.96	1.04	1.16	1.78	2.09	1.70	1.30
MAX	11.72	2.22	2.91	8.13	2.96	3.05	1.32	1.77	2.20	2.73	3.46	2.14
MIN	1.20	0.88	1.26	0.09	0.99	1.12	0.72	0.48	1.23	1.44	0.85	0.37
DAYS	12	12	15	30	25	20	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 298

THE MEAN STAGE FOR THE YEAR WAS 1.94.

HIGHEST STAGE WAS 11.87 AT 10:15 A.M. ON JAN 23.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 0.03 ON APR 2.

## DAILY STAGE FOR 1993

## TICKFAW RIVER NEAR SPRINGFIELD, LA.

LOCATION. LAT. 30-22-36, LONG. 90-33-02. HIGHWAY 22 BRIDGE, 3.7 MILES SOUTH OF SPRINGFIELD, LA.  
(STA. 8530006.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. MAY 22, 1947 TO DATE.

EXTREMES. HIGHEST, 6.46 FEET (CAUSED BY HURRICANE) ON OCT. 29, 1985. LOWEST, MINUS 1.43 FEET ON  
DEC. 19, 1954.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.40	1.43	1.70	1.10	3.15	1.64	1.04	1.37	1.85	2.32		1.48
2	1.53	1.33	2.10	0.30	3.39	1.68	0.91	1.45	2.35	2.54 F	1.70	2.12
3	1.75	1.97	2.27	0.88	3.16	1.65	1.05	1.61	2.32	2.15	1.90	2.51
4	2.60	2.60	2.05	2.30	2.62	1.46	1.33	1.65	1.69	2.05	1.87	2.56
5	2.42	2.46	1.35	2.81	2.53	1.42	1.52	1.50	1.90	2.08	2.00	1.86
6	2.20	2.18	1.00	2.20	2.38	1.41	1.57	1.34	2.20	2.15	1.44	1.31
7	2.15	1.58	1.15	2.23	2.19	1.48	1.59		2.12	2.15		1.40
8	2.31	1.43	0.87	2.89	2.14	1.62	1.28		2.12	2.75		1.91
9	2.23	1.21	0.62	3.35	2.50	1.78	1.52		2.13	2.62		1.85
10	2.34	1.66	0.68	2.97	2.74	1.70	1.70		1.85	2.18		2.01
11	2.81	2.52	0.72	2.73	2.55	1.62	1.39		1.60	2.10		1.87
12	2.81	2.05	1.55	2.55	2.29	1.51	1.28		1.70	2.01		1.78
13	2.27	1.25	1.28	2.45	1.88	1.26	1.20		2.01	2.32		2.25
14	1.91	1.15	0.30	2.50	1.30	1.10	1.40		2.40	2.61		2.21
15	2.21	1.52	0.45	2.95	1.53	1.45	1.29		2.60	2.87		1.45
16	2.35	1.98	1.50	2.32	1.47	1.65	1.37 F	1.06	2.20	2.95 F	2.80	1.40
17	2.04	1.92	2.47	1.70	1.31	2.01	1.34	1.15	2.29	2.95	2.43	1.39
18	1.92	1.70	2.20	1.70	1.30	2.84	1.29	1.45	2.50	2.79	2.17	1.50
19	1.97	1.53	1.75	1.75	1.24	3.30	1.35	1.42	2.55	2.55	2.10	1.49
20	2.47	1.80	2.30	1.93	1.28	3.39	1.28	1.32	2.54	2.56	1.65	2.05
21	3.16	1.70	2.65	1.72	1.70	3.39	1.19	0.96	2.38	2.41	1.50	1.51
22	3.68	1.38	2.30	1.32	1.87	2.99	1.38	0.99	2.28	2.24	1.71	1.48
23	4.40	1.79	2.05	1.24	2.18	2.71	1.30	0.71	2.20		1.55	1.66
24	4.68	1.91	1.45	1.40	2.35	2.46	0.90	0.60	1.90		1.68	1.61
25	4.03	2.57	1.60	1.75	2.56	2.55	0.88	1.09	1.66		1.46	1.17
26	3.41	2.45	2.00	2.03	2.41	2.14	1.07	1.70	1.68		1.44	0.80
27	2.85	2.13	1.45	2.07	2.53	1.80	1.00	1.95	1.42		1.30	0.91
28	2.29	1.75	1.25	2.33	2.70	1.67	0.95	1.70	1.56		1.47	1.09
29	1.80	-----	1.40	2.77	2.60	1.61	1.12	1.65	1.90		1.30	1.06
30	1.85	-----	1.75	3.03	2.14	1.35	1.25	1.50	2.27		1.34	0.96
31	1.65	-----	1.82	-----	1.86	-----	1.29	1.65	-----		----- F	1.40

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.50	1.82	1.55	2.11	2.19	1.95	1.26	1.36	2.07	2.42	1.74	1.61
MAX	4.68	2.60	2.65	3.35	3.39	3.39	1.70	1.95	2.60	2.95	2.80	2.56
MIN	1.40	1.15	0.30	0.30	1.24	1.10	0.88	0.60	1.42	2.01	1.30	0.80
DAYS	31	28	31	30	31	30	31	22	30	22	20	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 337

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.89.

HIGHEST STAGE WAS 4.74 AT 11:00 P.M. ON JAN 23.

LOWEST STAGE WAS 0.07 ON MAR 14.

## DAILY STAGE FOR 1993

## PASS MANCHAC NEAR PONCHATOU LA, LA.

LOCATION. LAT. 30-16-53, LONG. 90-24-01. ON PILING 60 FEET EAST OF SOUTH END OF U. S. HIGHWAY 51 BRIDGE, NINE MILES SOUTH OF PONCHATOU LA, LA. (STA. 8542006.)

GAGE. AUTOMATIC RECORD AND STAFF.

RECORDS AVAILABLE. JULY 11, 1955 TO DATE.

EXTREMES. HIGHEST, 5.40 FEET (CAUSED BY HURRICANE) ON OCT. 30, 1985. LOWEST, MINUS 2.00 FEET ON JAN. 21, 1961.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.88	0.96	1.08	0.44	2.36	1.03	0.39	0.72	1.27	1.73	0.52	1.03
2	1.02	0.86	1.62	-0.17	2.75	1.14	0.34	0.78	1.82	1.95	0.89	1.65
3	1.24	1.49	1.71	0.36	2.40	1.03	0.42	0.96	1.73	1.64	1.42	2.02
4	2.14	2.14	1.45	1.84	1.82	0.82	0.71	0.99	1.13	1.54	1.36	2.04
5	1.88	1.97	0.72	1.89	1.71	0.79	0.82	0.89	1.35	1.59	1.43	1.20
6	1.69	1.76	0.58	1.30	1.63	0.78	0.89	0.73	1.70	1.66	1.00	0.82
7	1.60	1.20	0.77	1.43	1.42	0.83	0.89	0.70	1.61	1.66	0.69	0.93
8	1.74	1.01	0.42	2.11	1.40	0.97	0.67	0.63	1.64	2.25	1.08	1.31
9	1.66	0.77	0.09	2.34	1.74	1.12	0.94	0.75	1.61	2.08	1.50	1.29
10	1.77	1.14	0.06	1.66	1.93	1.07	1.01	0.82	1.28	1.60	1.63	1.44
11	2.22	1.98	0.08	1.51	1.78	1.02	0.86	1.00	1.03	1.56	1.51	1.30
12	2.10	1.48	0.97	1.38	1.59	0.92	0.75	1.12	1.11	1.48	1.74	1.27
13	1.54	0.73	0.73	1.45	1.25	0.72	0.70	1.12	1.36	1.71	2.05	1.67
14	1.28	0.66	-0.36	1.66	0.71	0.57	0.78	0.85	1.78	2.07	2.18	1.65
15	1.72	1.02	-0.26	2.24	0.97	0.94	0.73	0.42	1.82	2.36	2.10	0.94
16	1.75	1.44	0.98	1.32	0.90	1.06	0.81	0.41	1.62	2.41	2.18	0.95
17	1.49	1.40	1.83	0.87	0.75	1.46	0.75	0.58	1.73	2.42	1.94	0.91
18	1.40	1.23	1.61	0.93	0.76	2.23	0.68	0.87	1.94	2.27	1.66	1.03
19	1.44	1.07	1.07	1.02	0.64	2.62	0.73	0.81	2.01	2.10	1.53	0.97
20	1.98	1.33	1.73	1.27	0.74	2.62	0.61	0.77	2.02	2.05	1.12	1.49
21	2.41	0.99	1.88	1.07		2.59	0.54	0.45	1.87	1.96	0.95	0.82
22	2.34	0.94	1.54	0.64	1.25	2.21	0.72	0.51	1.76	1.72	1.20	0.94
23	2.40	1.36	1.29	0.48	1.38	1.97	0.60	0.23	1.65	1.68	1.03	1.10
24	2.42	1.39	0.84	0.69	1.63	1.75	0.44	0.15	1.33	1.87	1.09	1.13
25	2.54	2.07	0.97	1.08	1.71	1.84	0.39	0.61	1.06	1.90	0.92	0.70
26	2.48	1.90	1.23	1.33	1.59	1.47	0.54	1.15	1.06	1.93	0.96	0.26
27	2.01	1.55	0.74	1.37	1.68	1.16	0.49	1.38	0.90	1.62	0.81	0.38
28	1.49	1.23	0.59	1.64	1.84	1.12	0.43	1.11	1.00	1.29	0.97	0.55
29	1.24	-----	0.75	2.07	1.76	0.98	0.61	1.00	1.26	1.60	0.78	0.64
30	1.40	-----	1.08	2.32	1.35	0.67	0.64	0.93	1.68	1.43	0.87	0.51
31	1.18	-----	1.16	-----	1.12	-----	0.68	1.07	-----	0.54	-----	0.85

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.76	1.32	0.93	1.32	1.49	1.32	0.66	0.79	1.50	1.80	1.30	1.09
MAX	2.54	2.14	1.88	2.34	2.75	2.62	1.01	1.38	2.02	2.42	2.18	2.04
MIN	0.88	0.66	-0.36	-0.17	0.64	0.57	0.34	0.15	0.90	0.54	0.52	0.26
DAYS	31	28	31	30	30	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364  
 THE MEAN STAGE FOR THE YEAR WAS 1.27.  
 HIGHEST STAGE WAS 2.98 AT 11:00 P.M. ON JUN 20.  
 LOWEST STAGE WAS MINUS 0.50 ON MAR 14.

## DAILY STAGE FOR 1993

## LAKE PONTCHARTRAIN AT FRENIER, LA.

LOCATION. LAT. 30-06-22, LONG. 90-25-17. GAGE INTAKE AND STAFF ON STRUCTURE 1,200 FEET OFF SHORE FROM SERVICE ROAD, REMOTE RECORDER ON SHORE. (STA.8555006.)

GAGE. AUTOMATIC RECORDER WITH BUBBLER EQUIPMENT AND STAFF.

GENERAL INFORMATION. PRIOR TO 1975 GAGE ZERO WAS MINUS 10.00 FEET, NGVD. PRIOR TO 1957, GAGE ZERO WAS ERRONEOUSLY REPORTED AS MINUS 10.08 FEET, M.S.L.

RECORDS AVAILABLE. SEP. 1931 TO SEP. 1965, AND JAN. 1969 TO DATE.

EXTREMES. HIGHEST, 12.09 FEET, FROM WATERMARK LEFT BY HURRICANE OF SEP. 10, 1965. LOWEST, MINUS 2.71 FEET ON JAN. 28, 1988. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1						0.67	-0.24		0.87	1.40		0.85
2						0.62	-0.24	0.08		1.50		1.39
3						0.29	-0.14	0.32		1.26		1.75
4						0.13	0.05	0.38		1.20		1.51
5						0.10	0.09	0.45		1.40		0.56
6						0.09	0.21			1.44		0.43
7						0.10	0.19			1.61		0.67
8						0.12	0.07	0.36		2.16		0.73
9						0.35	0.39	0.54		1.73		0.73
10						0.47	0.47	0.68	0.91	1.36		0.87
11					1.45	0.42	0.28	0.85	0.77			0.87
12						0.34	0.36	0.92		1.31		1.05
13						0.16	0.26	0.81	0.99	1.39	1.71	
14						0.06	0.24	0.39	1.35	1.85	1.90	0.96
15						0.62	0.37	-0.07	1.34	2.09		0.54
16							0.31	0.17	1.29	2.16		0.67
17						1.09	0.17	0.18	1.40			0.59
18					0.26	2.02	0.10	0.45	1.79	1.93		0.68
19					0.09	2.21	0.09	0.37	1.79	1.79		0.68
20					0.47	2.05	-0.11	0.42	1.71	1.71	0.85	
21					0.65	1.84	-0.08	0.15	1.67	1.83	0.78	
22					1.01	1.44		0.15	1.43	1.66	0.91	
23					0.76	1.24	-0.06	0.03	1.27	1.49	0.60	
24					1.12	0.96	-0.08	0.00	0.97	1.62	0.56	
25					1.20	1.08	0.06	0.52	0.69		0.43	
26					1.13	0.79	0.15	1.11	0.53	1.57	0.42	
27					1.24	0.57	0.10	1.02		1.21	0.28	
28					1.43	0.61	0.03	0.80	0.77	0.87		
29		-----			1.34	0.34	0.16	0.56	1.08	1.09	0.40	
30		-----			0.88	-0.06	0.17	0.47	1.75			
31		-----		-----	0.73	-----	0.21	0.72	-----		-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN					0.92	0.71	0.12	0.46	1.19	1.56	0.80	0.86
MAX					1.45	2.21	0.47	1.11	1.79	2.16	1.90	1.75
MIN					0.09	-0.06	-0.24	-0.07	0.53	0.87	0.28	0.43
DAYS	0	0	0	0	15	29	30	28	19	26	11	18

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 176

THE MEAN STAGE FOR THE YEAR WAS 0.79.

HIGHEST STAGE (FROM INCOMPLETE RECORDS) WAS 3.03 ON AT 10:00 P.M. ON JUN 20.

LOWEST STAGE WAS NOT DETERMINED.



## DAILY STAGE FOR 1993

## LAKE PONTCHARTRAIN AT MANDEVILLE, LA.

LOCATION. LAT. 30-21-31, LONG. 90-05-45. ON SOUTH BOUND LANE OF LAKE PONTCHARTRAIN CAUSEWAY BRIDGE, 0.5 MILE FROM NORTH PLAZA OF BRIDGE. (STA. 8557506.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. PRIOR TO AUG. 2, 1957, GAGE WAS LOCATED AT LOTTS WHARF. ADD 0.3 TO DAILY STAGES PRIOR TO 1955. PRIOR TO 1976 GAGE ZERO WAS MINUS 10.00 FEET, NGVD.

RECORDS AVAILABLE. SEP. 26, 1931 TO DATE.

EXTREMES. HIGHEST, 7.60 FEET (CAUSED BY HURRICANE) ON OCT. 28, 1985. LOWEST, MINUS 2.25 FEET ON JAN. 26, 1938. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		0.30	0.43	0.17	1.83	0.91	-0.07	0.29	0.78	1.42	-0.04	0.52
2		0.06	0.96	-0.57	2.51	0.80	-0.10	0.31	1.53	1.55	0.36	1.17
3		0.78	1.18	-0.01	1.99	0.50	-0.09	0.50	1.34	1.26	0.93	1.54
4		1.52	0.93	1.06	1.28	0.30	0.23	0.53	0.58	1.15	0.92	1.61
5		1.34	0.20	1.36	1.16	0.25	0.29	0.40	0.99	1.21	1.03	0.47
6		1.17	0.12	0.66	1.06	0.19	0.36	0.33	1.33	1.29	0.45	0.31
7		0.67	0.40	0.75	0.81	0.28	0.35	0.38	1.28	1.27	0.12	0.26
8		0.59	-0.01	1.31	0.67	0.44	0.20	0.33	1.36	1.93	0.54	0.65
9		0.28	-0.18	1.77	1.13	0.52	0.48	0.45	1.28	1.69	0.92	0.67
10		0.56	-0.26	0.75	1.40	0.49	0.60	0.51	0.92	1.28	0.99	0.89
11		1.37	-0.30	0.67	1.16	0.45	0.47	0.73	0.86	1.45	0.89	0.69
12		0.85	0.49	0.55	1.02	0.37	0.45	0.86	0.90	1.11	1.24	0.72
13		0.11	0.38	0.72	0.81	0.23	0.40	0.78	1.10	1.22	1.60	1.09
14		-0.11	-0.79	1.08	0.25	0.13	0.49	0.39	1.45	1.68	1.77	1.28
15		0.28	-0.72	1.77	0.48	0.53	0.44	-0.02	1.40	2.00	1.62	0.42
16		1.09	0.65	0.52	0.48	0.63	0.43	0.03	1.57	2.05	1.66	0.41
17		0.70	1.40	0.20	0.33	1.01	0.31	0.11	1.53	2.10	0.95	0.35
18		0.62	1.13	0.33	0.45	1.89	0.21	0.32	1.62	1.90	1.01	0.49
19		0.56	0.55	0.61	0.18	2.10	0.25	0.25	1.61	1.75	0.97	0.41
20	1.42	0.82	1.29	0.88	0.33	2.04	0.12	0.26	1.46	1.70	0.44	0.93
21	1.22	0.82	1.39	0.43	0.60	1.92	0.08	0.17	1.21	1.53	0.34	0.19
22		0.48	1.08	0.19	0.72	1.53	0.28	0.19	1.29	1.43	0.54	0.29
23		0.78	0.82	0.11	0.79	1.29	0.14	-0.06	1.16	1.28	0.43	0.42
24		0.62	0.43	0.25	1.15	1.07	0.18	-0.21	0.80	1.44	0.43	0.46
25		1.36	0.53	0.70	1.37	1.22	0.17	0.32	0.76	1.36	0.29	0.30
26		1.32	0.68	0.86	1.16	0.82	0.33	0.74	0.62	1.40	0.35	-0.34
27	0.83	0.80	0.27	0.82	1.21	0.70	0.27	0.89	0.38	1.03	0.21	-0.20
28	0.44	0.49	0.09	1.05	1.36	0.76	0.11	0.58	0.79	0.80	0.47	0.06
29	0.38	-----	0.22	1.58	1.28	0.57	0.26	0.40	0.86	1.04	0.30	0.17
30	0.63	-----	0.55	1.88	0.93	0.26	0.31	0.42	1.24	0.87	0.34	-0.08
31	0.45	-----	0.75	-----	0.77	-----	0.22	0.63	-----	0.34	-----	0.25

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.77	0.72	0.47	0.75	0.99	0.81	0.26	0.38	1.14	1.40	0.74	0.53
MAX	1.42	1.52	1.40	1.88	2.51	2.10	0.60	0.89	1.62	2.10	1.77	1.61
MIN	0.38	-0.11	-0.79	-0.57	0.18	0.13	-0.10	-0.21	0.38	0.34	-0.04	-0.34
DAYS	7	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 341  
 THE MEAN STAGE FOR THE YEAR WAS 0.74.  
 HIGHEST STAGE WAS 2.63 AT 10:00 P.M. ON JUN 19.  
 LOWEST STAGE WAS MINUS 0.87 ON MAR 14.

## DAILY STAGE FOR 1993

## LAKE PONTCHARTRAIN AT MIDLAKE NEAR NEW ORLEANS, LA.

LOCATION. LAT. 30-11-16, LONG. 90-07-33. ON SOUTH BOUND BRIDGE OF LAKE PONTCHARTRAIN CAUSEWAY BRIDGE, 11.6 MILES NORTH OF THE SOUTH PLAZA. (STA. 8560006.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. PRIOR TO 1976 GAGE ZERO WAS MINUS 10.00 FEET, NGVD.

RECORDS AVAILABLE. AUG. 9, 1957 TO DATE.

EXTREMES. HIGHEST, 6.14 FEET (CAUSED BY HURRICANE) ON OCT. 29, 1985. LOWEST, MINUS 1.28 FEET ON MAR. 6, 1965. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1957 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.43	1.37	1.32	0.95	2.86	1.72	1.00	1.35	1.83	2.31	1.08	1.63
2	1.56	1.30	1.70	0.45	3.35	1.69	0.98	1.33	2.48	2.47	1.42	2.24
3	1.83	2.00	2.00	0.88	2.89	1.46	1.00	1.54	2.33	2.28	1.98	2.56
4	2.65	2.62	1.75	2.39	2.28	1.27	1.28	1.56	1.76	2.20	1.95	2.54
5	2.45	2.47	1.06	2.26	2.19	1.25	1.27	1.43	2.06	2.26	2.05	1.55
6	2.29	2.47	0.95	1.56	2.08	1.20	1.38	1.32	2.35	2.39	1.81	1.46
7	2.24	1.88	1.18	1.78	1.76	1.22	1.39	1.37	2.33	2.39	1.36	1.43
8		1.66	0.77	2.45	1.74	1.33	1.23	1.39	2.38	3.02	1.69	1.70
9		1.42	0.62	2.86	2.05	1.49	1.55	1.50	2.34	2.76	2.02	1.66
10		1.65	0.59	1.78	2.24	1.55	1.64	1.58	2.01	2.31	2.07	1.88
11		2.35	0.64	1.67	2.30	1.50	1.53	1.79	1.76	2.26	1.92	1.86
12		1.90	1.68	1.60	1.98	1.43	1.53	1.88	1.81	2.11	2.25	1.87
13		1.08	1.62	1.75	1.77	1.32	1.49	1.82	2.02	2.24	2.58	2.11
14		0.95	0.12	2.07	1.25	1.25	1.44	1.46	2.35	2.72	2.75	2.35
15	2.08	1.33	0.03	2.94	1.45	1.67	1.50	1.05	2.40	3.02	2.62	1.58
16	2.17	1.94	1.47	1.66	1.44	1.75	1.50	1.09	2.41	3.06	2.65	1.57
17	1.85	1.91	2.27	1.27	1.33	2.12	1.39	1.21	2.45	3.10	2.55	1.50
18	1.72	1.83	1.99	1.37	1.41	2.93	1.30	1.43	2.67	2.90	2.16	1.62
19	1.96	1.55	1.43	1.56	1.25	3.10	1.31	1.41	2.77	2.75	2.02	1.55
20	2.61	1.71	2.21	1.96	1.48	3.02	1.20	1.44	2.71	2.68	1.69	2.03
21	3.01	1.73	2.27	1.80	1.73	2.90	1.17	1.23	2.61	2.58	1.54	1.34
22	2.74	1.55	1.97	1.26	1.80	2.52	1.31	1.21	2.47	2.49	1.69	1.40
23	2.62	1.89	1.67	1.05	1.74	2.33	1.22	1.03	2.35	2.35	1.46	1.57
24	2.80	1.76	1.38	1.27	2.06	2.13	1.21	0.96	2.01	2.55	1.42	1.60
25	3.03	2.33	1.48	1.71	2.31	2.23	1.23	1.40	1.77	2.46	1.28	1.21
26	2.80	2.28	1.70	1.93	2.18	1.90	1.40	1.90	1.69	2.50	1.38	0.67
27	1.94	1.89	1.21	1.93	2.25	1.75	1.34	1.97	1.76	2.12	1.41	0.83
28	1.40	1.51	1.05	2.12	2.37	1.83	1.23	1.77	1.76	1.74	1.45	1.16
29	1.40	-----	1.15	2.47	2.32	1.63	1.37	1.57	1.87	2.02	1.30	1.30
30	1.74	-----	1.44	2.79	1.96	1.30	1.38	1.52	2.25	2.16	1.37	1.22
31	1.47	-----	1.61	-----	1.86	-----	1.32	1.69	-----	1.12	-----	1.41

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.16	1.80	1.37	1.78	1.99	1.83	1.33	1.46	2.19	2.43	1.83	1.62
MAX	3.03	2.62	2.27	2.94	3.35	3.10	1.64	1.97	2.77	3.10	2.75	2.56
MIN	1.40	0.95	0.03	0.45	1.25	1.20	0.98	0.96	1.69	1.12	1.08	0.67
DAYS	24	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 358  
 THE MEAN STAGE FOR THE YEAR WAS 1.81.  
 HIGHEST STAGE WAS 3.65 AT 10:00 P.M. ON JUN 19.  
 LOWEST STAGE WAS MINUS 0.10 ON MAR 14.

## DAILY STAGE FOR 1993

## LAKE PONTCHARTRAIN AT WEST END, LA.

LOCATION. LAT. 30-01-18, LONG. 90-06-57. THIRTY FEET EAST OF MUNICIPAL YACHT BUILDING IN WEST END HARBOR. (STA. 8562506.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO DEC. 1, 1946, GAGE WAS LOCATED 110 FEET WEST OF SOUTHERN YACHT CLUB. SUBTRACT 0.1 FOOT FROM DAILY STAGES PRIOR TO 1955. PRIOR TO 1975 GAGE ZERO WAS MINUS 10.00 FEET, NGVD.

RECORDS AVAILABLE. SEP. 25, 1931 TO NOV. 30, 1946, AND MAR. 9, 1949 TO DATE.

EXTREMES. HIGHEST, 6.11 FEET (CAUSED BY HURRICANE) ON OCT. 28, 1985. LOWEST, MINUS 2.20 FEET ON JAN. 26 AND 27, 1938. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1985 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.57	0.64	0.58	0.29	1.94	0.95	0.10	0.53	0.95	1.46	1.29	1.04
2	0.71	0.61	0.89	-0.19	2.33	0.87	0.11	0.48	1.58	1.61	1.39	1.54
3	0.88	1.25	1.28	0.20	1.99	0.61	0.09	0.71	1.39	1.45	1.51	1.81
4	1.78	1.86	1.10	1.65	1.36	0.42	0.33	0.72	0.93	1.36	1.23	1.64
5	1.68	1.68	0.44	1.69	1.26	0.43	0.34	0.56	1.24	1.43	1.32	0.81
6	1.47	1.87	0.24	0.89	1.20	0.38	0.45	0.45	1.50	1.55	1.11	0.85
7	1.39	1.23	0.49	0.85	0.96	0.38	0.49	0.45	1.51	1.55	0.93	0.99
8	1.59	0.88	0.05	1.60	0.93	0.39	0.31	0.53	1.54	2.18	1.39	1.17
9	1.46	0.62	-0.18	1.99	1.26	0.56	0.65	0.67	1.49	1.90	1.59	1.00
10	1.59	0.79	-0.18	0.89	1.42	0.68	0.71	0.73	1.18	1.53	1.60	1.14
11	2.28	1.46	-0.10	0.76	1.63	0.66	0.63	0.98	0.94	1.42	1.26	1.28
12	1.77	1.24	1.16	0.71	1.23	0.60	0.65	1.02	0.94	1.30	1.48	1.30
13	1.24	0.30	1.39	0.85	1.00	0.44	0.60	0.98	1.13	1.43	1.80	1.33
14	1.02	0.17	-0.58	1.07	0.54	0.39	0.51	0.65	1.42	1.94	1.89	1.70
15	1.31	0.54	-0.63	2.00	0.72	0.81	0.65	0.26	1.56	2.25	1.84	0.99
16	1.41	1.15	0.75	0.71	0.72	0.87	0.67	0.25	1.55	2.30	1.90	1.09
17	1.03	1.28	1.62	0.37	0.59	1.21	0.56	0.37	1.61	2.33	1.81	1.13
18	0.90	1.21	1.32	0.46	0.62	1.96	0.48	0.59	1.85	2.10	1.42	1.20
19	1.14	0.77	0.70	0.54	0.50	2.12	0.47	0.59	1.94	1.95	1.25	0.88
20	1.78	0.94	1.49	0.97	0.71	2.08	0.44	0.60	1.86	1.84	1.11	1.23
21	2.11	0.94	1.59	1.01	0.91	2.03	0.43	0.32	1.80	1.75	0.91	0.67
22	1.91	0.77	1.28	0.37	0.97	1.65	0.48	0.34	1.68	1.77	1.14	0.70
23	1.78	1.11	0.98	0.09	0.86	1.43	0.40	0.16	1.54	1.81	0.80	1.13
24	2.25	1.04	0.61	0.29	1.20	1.25	0.41	0.17	1.21	1.94	0.71	1.13
25	2.33	1.56	0.70	0.72	1.52	1.37	0.41	0.53	0.93	1.82	0.57	0.76
26	2.08	1.59	1.01	1.00	1.40	1.04	0.62	1.03	0.84	1.83	0.78	0.06
27	1.32	1.16	0.48	1.02	1.46	0.87	0.49	1.11	1.06	1.47	1.13	0.07
28	0.72	0.82	0.25	1.19	1.55	0.94	0.42	0.94	0.93	0.99	1.15	0.32
29	0.71	-----	0.35	1.52	1.54	0.71	0.55	0.73	1.16	1.29	0.87	0.63
30	1.10	-----	0.61	1.88	1.15	0.38	0.60	0.67	1.46	2.06	0.87	0.51
31	0.75	-----	0.74	-----	1.08	-----	0.49	0.84	-----	1.40	-----	0.75

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.42	1.05	0.66	0.91	1.18	0.95	0.47	0.61	1.36	1.71	1.27	1.00
MAX	2.33	1.87	1.62	2.00	2.33	2.12	0.71	1.11	1.94	2.33	1.90	1.81
MIN	0.57	0.17	-0.63	-0.19	0.50	0.38	0.09	0.16	0.84	0.99	0.57	0.06
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 1.05.  
 HIGHEST STAGE WAS 3.05 AT 7:00 P.M. ON MAR 12.  
 LOWEST STAGE WAS MINUS 0.80 ON MAR 14.

## DAILY STAGE FOR 1993

LAKE PONTCHARTRAIN (IRISH BAYOU) NEAR SOUTH SHORE, LA.

LOCATION. LAT. 30-08-46, LONG. 89-51-41. ON EAST BANK 800 FEET NORTHEAST OF U. S. HIGHWAY 11  
BRIDGE AT LITTLE IRISH BAYOU. (STA.8567503.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO APR. 17, 1963, GAGE WAS LOCATED ON SOUTH DRAWBRIDGE. SUBTRACT 0.1  
FROM DAILY STAGES PRIOR TO 1955. PRIOR TO 1976 GAGE ZERO WAS MINUS 10.00 FEET, NGVD.

RECORDS AVAILABLE. MAY 3, 1949 TO DATE.

EXTREMES. HIGHEST, 7.16 FEET (CAUSED BY HURRICANE) ON AUG. 18, 1969. LOWEST, MINUS 1.30 FEET ON  
JULY 25, 1954, AND LATER DATES. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.32	0.30	0.22	-0.01	1.60	0.91	0.25	0.54	0.86	1.20	0.10	0.72
2	0.41	0.12	0.62	-0.54	2.10	0.88	0.21	0.56	1.54	1.40	0.38	1.45
3	0.61	0.90	0.95	0.05	1.83	0.67	0.18	0.61	1.27	1.18	0.99	1.66
4	1.40	1.48	0.90	0.90	1.32	0.52	0.46	0.60	0.71	1.20	1.02	1.54
5	1.40	1.38	0.20	1.41	1.20	0.44	0.34	0.50	1.10	1.19	1.20	0.63
6	1.19	1.41	-0.09	0.70	1.14	0.33	0.48	0.37	1.35	1.40	1.11	0.49
7	0.88	0.90	0.19	0.82	0.88	0.30	0.42	0.42	1.38	1.49	0.63	0.53
8	1.40	0.60	-0.19	1.35	0.82	0.36	0.30	0.45	1.43	2.05	0.83	0.60
9	1.30	0.41	-0.23	1.79	1.00	0.52	0.64	0.58	1.43	1.82	0.91	0.56
10	1.40	0.60	-0.10	0.68	1.18	0.59	0.64	0.69	1.10	1.41	1.12	0.83
11	2.21	1.42	-0.08	0.49	1.30	0.58	0.58	0.92	0.84	1.39	0.88	0.79
12	1.65	0.95	0.66	0.50	1.08	0.55	0.67	0.99	0.92	1.14	1.20	0.75
13	0.90	-0.10	1.31	0.60	0.88	0.46	0.67	0.92	1.11	1.17	1.53	0.93
14	0.70	-0.22	-0.75	0.93	0.40	0.37	0.54	0.65	1.38	1.66	1.71	1.63
15	0.72	0.07	-0.74	2.20	0.55	0.83	0.64	0.19	1.42	1.89	1.62	0.71
16	1.00	0.80	0.77	0.59	0.51	0.88	0.67	0.29	1.30	2.04	1.65	0.64
17	0.69	0.80	1.49	0.35	0.45	1.21	0.60	0.35	1.34	2.08	1.81	0.59
18	0.50	0.78	1.09	0.29	0.58	1.84	0.52	0.52	1.57	1.87	1.28	0.63
19	0.80	0.38	0.50	0.50	0.50	2.02	0.44	0.46	1.71	1.77	1.11	0.54
20	1.33	0.61	1.22	0.91	0.60	2.01	0.34	0.47	1.68	1.80	0.78	1.10
21	1.83	0.82	1.34	0.80	0.82	1.93	0.44	0.34	1.64	1.62	0.70	0.42
22	1.55	0.59		0.28	0.83	1.56	0.46	0.17	1.56	1.64	0.75	0.30
23	1.41	0.81 F	0.62	0.03	0.82	1.32	0.38	0.14	1.44	1.48	0.53	0.60
24	1.80	0.70	0.48	0.41	1.16	1.16	0.39	0.12	1.10	1.72	0.41	0.61
25	1.94	1.25	0.62	0.83	1.41	1.18	0.50	0.59	0.92	1.57	0.27	0.32
26	1.61	1.43	0.75	0.70	1.31	1.03	0.54	0.99	0.80	1.52	0.40	-0.41
27	0.95	0.81	0.30	0.96	1.28	0.92	0.52	1.09	0.78	1.12	0.48	-0.27
28	0.40	0.48	0.08	1.02	1.40	0.94	0.45	0.89	0.82	0.72	0.50	0.10
29	0.50	-----	0.05	1.35	1.30	0.77	0.60	0.69	0.84	0.97	0.31	0.30
30	0.74	-----	0.34	1.62	1.07	0.54	0.56	0.74	1.12	1.30	0.36	0.33
31	0.40	-----	0.50	-----	1.08	-----	0.48	0.79	-----	0.25	-----	0.40

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.09	0.73	0.43	0.75	1.05	0.92	0.48	0.57	1.22	1.45	0.89	0.65
MAX	2.21	1.48	1.49	2.20	2.10	2.02	0.67	1.09	1.71	2.08	1.81	1.66
MIN	0.32	-0.22	-0.75	-0.54	0.40	0.30	0.18	0.12	0.71	0.25	0.10	-0.41
DAYS	31	28	30	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 0.85.

HIGHEST STAGE WAS 3.18 AT 10:00 P.M. ON APR 8.

LOWEST STAGE WAS MINUS 0.85 ON MAR 15.

## DAILY STAGE FOR 1993

## RIGOLETS NEAR LAKE PONTCHARTRAIN (LA.)

LOCATION. LAT. 30-10-02, LONG. 89-44-13. ABOUT 50 FEET SOUTHEAST OF U. S. HIGHWAY 90 AT FORT PIKE, NEAR EXTREME EAST END OF LAKE PONTCHARTRAIN. (STA. 8570003.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. ADD 0.2 TO DAILY STAGES PRIOR TO 1955. LOCATION OF GAGE HAS BEEN CHANGED SEVERAL TIMES DURING PERIOD OF RECORD. THE GAGE HAS BEEN LOCATED AT THE PRESENT SITE SINCE APR. 17, 1963. PRIOR TO 1975 GAGE ZERO WAS MINUS 10.00 FEET, NGVD.

RECORDS AVAILABLE. SEP. 1931 TO DATE.

EXTREMES. HIGHEST, 9.00 FEET (CAUSED BY HURRICANE) ON AUG. 18, 1969. LOWEST, MINUS 1.9 FEET ON JAN. 26, 1938. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.24	0.14	0.07 F	-0.18	1.38	1.10	0.40	0.73	0.80	1.15	0.20	0.69
2	0.29	-0.03	0.57	-0.45	2.15	1.15	0.41	0.85	1.40	1.34	0.45	1.48
3	0.63	0.76	0.79	-0.06	1.86	0.69	0.30	0.73	1.36	1.13	1.05	1.60
4	1.16	1.24	0.57	0.90	1.43	0.53	0.55	0.75	0.84	1.20	1.15	1.68
5	1.07	1.16	-0.04	1.23	1.33	0.46	0.38	0.65	1.05	1.25	1.38	0.46
6	0.95	1.29	-0.13	0.72	1.15	0.26	0.50	0.50	1.32	1.55	0.95	0.39
7	0.50	0.95	0.20	0.75	1.00	0.32	0.43	0.57	1.28	1.60	0.58	0.50
8	1.25	0.66	-0.15	1.23	0.90	0.28	0.39	0.63	1.40	2.15	0.90	0.30
9	1.19	0.56	-0.16	1.60	1.11	0.50	0.66	0.73	1.33	1.90	0.80	0.28
10	1.38	0.75	-0.12	0.45	1.11	0.60	0.74	0.75	1.05	1.42	0.99	0.54
11	2.20	1.30	-0.14	0.20	1.16	0.48	0.74	0.97	0.82	1.40	0.74	0.44
12	1.57	0.70	0.71	0.30	1.08	0.50	0.82	1.03	1.00	1.23	1.05	0.60
13	0.70	-0.13	0.63	0.41	0.80	0.45	0.77	0.88	1.22	1.16	1.43	0.75
14	0.57	-0.25	-0.44	0.92	0.48	0.45	0.80	0.65	1.47	1.63	1.61	1.40
15	0.77	0.03	-0.46	1.65	0.73	0.85	0.84	0.21	1.35	1.80	1.52	0.56
16	0.87	0.80	0.85	0.40	0.74	0.91	0.80	0.15	1.34	1.89	1.66	0.60
17	0.55	0.67	1.00	0.35	0.64	1.18	0.67	0.23	1.33	2.00	1.63	0.65
18	0.39	0.62	0.75	0.28	0.85	1.85	0.53	0.45	1.58	1.82	1.30	0.60
19	0.74	0.42	0.18	0.60	0.68	1.95	0.48	0.40	1.70	1.79	1.14	0.55
20	1.45	0.63	0.97	1.05	0.88	1.95	0.39	0.48	1.70	1.89	0.66	1.11
21	1.68	0.92	0.99	0.60	0.94	1.72	0.46	0.37	1.73	1.77	0.75	0.05
22	1.40	0.68	0.91	0.32	1.07	1.44	0.54	0.34	1.65	1.58	0.68	0.12
23	1.34	0.97	0.70	0.12	0.91	1.21	0.57	0.29	1.58	1.61	0.40	0.27
24	1.57	0.75	0.65	0.40	1.42	1.18	0.66	0.20	1.25	1.80	0.15	0.30
25	1.88	1.30	0.81	0.85	1.60	1.15	0.75	0.46	1.13	1.59	0.00	0.00
26	1.71	1.38	0.67	0.66	1.27	1.03	0.83	0.79	0.99	1.44	0.15	-0.45
27	0.80	0.61	0.29	0.76	1.20	1.06	0.76	0.80	0.83	1.03	0.17	-0.43
28	0.29	0.33	0.20	0.80	1.45	1.15	0.71	0.66	0.90	0.65	0.35	0.02
29	0.43	-----	0.09	1.20	1.29	0.96	0.85	0.53	0.89	0.90	0.15	0.15
30	0.65	-----	0.35	1.45	1.19	0.70	0.81	0.38	1.13	0.99	0.20	0.20
31	0.25	-----	0.50	-----	1.23	-----	0.67	0.62	-----	0.00	-----	0.38

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.98	0.69	0.38	0.65	1.13	0.94	0.62	0.57	1.25	1.44	0.81	0.51
MAX	2.20	1.38	1.00	1.65	2.15	1.95	0.85	1.03	1.73	2.15	1.66	1.68
MIN	0.24	-0.25	-0.46	-0.45	0.48	0.26	0.30	0.15	0.80	0.00	0.00	-0.45
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 0.83.

HIGHEST STAGE WAS 2.81 AT 11:00 P.M. ON APR 8.

LOWEST STAGE WAS MINUS 0.53 ON APR 2.

## DAILY STAGE FOR 1993

## LAKE BORGNE AT RIGOLETS (LA.)

LOCATION. LAT. 30-08-30, LONG. 89-38-20. ON DOCK OF APACHE OIL COMPANY IN LITTLE RIGOLETS, NEAR IWW. (STA. 8572503.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO 1975 GAGE ZERO WAS MINUS 10.00 FEET, NGVD.

RECORDS AVAILABLE. FEB. 10 TO MAR. 30, 1950, DEC. 21, 1957 TO SEP. 10, 1965, AND JULY 11, 1967, TO DATE.

EXTREMES. HIGHEST, 12.25 FEET, FROM WATERMARK LEFT BY HURRICANE OF AUG. 1969. LOWEST, MINUS 2.17 FEET ON APR. 12, 1988. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1970 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.31	-0.15	0.39	-0.42	1.56	1.62		0.18				0.87
2	0.28	0.14	0.62	-0.56	2.44	1.70		0.20				1.73
3	0.76	0.97	0.61	0.37	2.11	1.21		0.09				1.68
4	1.11	1.02	0.07	1.92	1.87	1.09		-0.01				1.77
5	0.71	0.94	-0.34	1.13	1.78	0.99		-0.13				0.68
6	0.67	1.14	-0.27	1.00	1.59	0.72		-0.33				0.47
7	0.65	0.80	0.05	1.38	1.45	0.80		-0.18				0.81
8	0.95	0.67	-0.20	1.70	1.33	0.77		-0.08				0.24
9	1.07	0.72	0.00	1.15	1.56	0.92		0.08				0.24
10	1.41	1.16	0.25	0.56	1.31	0.93		0.26				0.40
11	2.47	1.42	0.47	0.17	1.25	0.91		0.49				
12	1.59	0.26	1.21	0.49	1.38	0.98		0.64				
13	0.60	-0.21	-0.43	0.46	0.46	0.89		0.53				
14	0.74	-0.20	-0.89	1.11	0.94	1.14		0.12				1.19
15	1.01	0.05	-0.78	1.46	1.06	1.44		-0.35				0.58
16	0.58	0.62	1.11	0.34	1.08	1.46		-0.09				0.79
17	0.13	0.62	0.55	0.66	1.02	1.79		-0.07				0.92
18	0.08	0.48	0.51	0.37	1.30	2.31		-0.09				0.73
19	0.44	0.48	0.35	0.94	1.15	2.38		-0.44			1.17	0.68
20	1.43	0.49	1.11	1.35	1.62	2.32		-0.45			0.77	1.32
21	1.45	0.95	0.79	0.70	1.52	1.85		-0.31			1.15	0.15
22	1.17	0.76	0.97	0.75	1.68	1.76					0.83	0.34
23	1.13	1.33	0.64	0.52	1.37	1.44					0.60	0.21
24	1.35	1.18	0.78	0.91	1.83	1.50					0.13	0.33
25	2.28	1.35	1.10	1.40	1.94						0.02	-0.16
26	1.75	1.54	0.84	0.97	1.61						0.10	-0.44
27	0.84	0.83	0.50	1.33	1.52						0.14	0.07
28	0.27	0.58	0.47	1.22	1.79						0.28	0.18
29	0.69	-----	0.15	1.43	1.51						0.11	0.38
30	0.97	-----	0.46	1.41	1.61						0.15	0.55
31	0.27	-----	0.33	-----	1.67	-----	0.19	-----	-----	-----	-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.94	0.71	0.37	0.87	1.49	1.37	0.19	0.00			0.45	0.58
MAX	2.47	1.54	1.21	1.92	2.44	2.38	0.19	0.64			1.17	1.77
MIN	0.08	-0.21	-0.89	-0.56	0.46	0.72	0.19	-0.45			0.02	-0.46
DAYS	31	28	31	30	31	24	1	21	0	0	12	28

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 237  
 THE MEAN STAGE FOR THE YEAR WAS 0.79.  
 HIGHEST STAGE WAS 3.07 AT 7:00 P.M. ON APR 8.  
 LOWEST STAGE WAS MINUS 1.38 ON AUG 15.

## DAILY STAGE FOR 1993

## CHEF MENTEUR PASS NEAR LAKE BORGNE (LA.)

LOCATION. LAT. 30-04-04, LONG. 89-48-25. ON EAST BANK, SOUTH OF U. S. HIGHWAY 90 BRIDGE, ON TALLY HO CLUB WHARF. (STA. 8575003.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO OCT. 18, 1967, GAGE WAS LOCATED ON LAKE BORGNE NEAR MOUTH OF CHEF MENTEUR PASS. PRIOR TO 1975 GAGE ZERO WAS MINUS 10.00 FEET NGVD.

RECORDS AVAILABLE. STAGE, APR. 30 TO JUNE 9, 1945, FEB. 11 TO MAR. 30, 1950, JULY 27, 1957 TO SEP. 10, 1965, AND OCT. 18, 1967 TO DATE. DISCHARGE, 1937 AND 1945.

EXTREMES. HIGHEST, 9.07 FEET (FROM HIGH-WATER INDICATOR) AS RESULT OF HURRICANE ON SEP. 10, 1965. LOWEST, MINUS 2.27 FEET ON APR. 12, 1988 (POSSIBLY LOWER IN MAR. 1965). EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1985 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.39	-0.10	0.08	-0.51	1.35	1.20	0.63	0.85	1.11	1.22	0.29	0.87
2	0.40	0.10	0.34	-0.64	2.27	1.25	0.65	0.90	1.65	1.25	0.57	1.67
3	0.71	0.92	0.57	0.10	1.84	0.85	0.50	0.88	1.20	1.20	0.95	1.67
4	1.18	1.20	0.22	2.00	1.56	0.80	0.81	0.84	0.85	1.30	1.08	1.76
5	0.90	1.05		1.25	1.54	0.74	0.54	0.65	1.45	1.47	1.36	0.60
6	0.88	1.25		0.95	1.38	0.45	0.70	0.50	1.58	1.72	1.13	0.52
7	0.80	0.78		1.05	1.17	0.47	0.60	0.60	1.60	2.12	1.03	0.80
8	1.10	0.63		1.58	1.11	0.45	0.70	0.80	1.84	2.53	1.20	0.33
9	1.19	0.66 F	-0.22	1.20	1.28	0.65	0.96	0.95	1.80	2.13	1.05	0.29
10	1.60	0.91	0.10	0.40	0.90	0.63	0.91	1.13	1.43	1.78	1.03	0.45
11	2.41	1.28	0.42	-0.06	0.89	0.65	0.93	1.30	1.37	1.74	0.65	0.52
12	1.60	0.30	1.16	0.22	1.11	0.75	1.04	1.40	1.40	1.73	1.01	0.81
13	0.73	-0.31	-0.08	0.24	0.37	0.65	0.93	1.28	1.48	1.21	1.34	0.90
14	0.73	-0.38	-1.40	0.95	0.57	0.79	0.95	0.85	1.80		1.49	1.28
15	0.93	-0.12	-1.14	1.49	0.76	1.18	1.20	0.40	1.66 F	1.55	1.40	0.68
16	0.60	0.60	0.99	0.25	0.74	1.18	1.21	0.63	1.50	1.79	1.60	0.86
17	0.18	0.68	0.74	0.49	0.64	1.45	1.05	0.67	1.40	1.90	1.61	0.97
18	0.10	0.53	0.72	0.29	0.89	2.10	0.94	0.75	1.75	1.68	1.51	0.78
19	0.49	0.38	0.21	0.68	0.82	2.25	0.74	0.50	1.95	1.75	1.13	0.69
20	1.30	0.34	1.05	1.20	1.29	2.16	0.55	0.65	1.80	2.04	0.90	1.25
21	1.50	0.73	0.94	0.85	1.23	1.73	0.71	0.65	1.95	2.10	1.14	0.21
22	1.22	0.63	0.93	0.55	1.40	1.53	0.80	0.38	1.92	1.85	0.88	0.34
23	1.16	1.11	0.64	0.27	1.05	1.23	0.60	0.45	1.78	1.84	0.57	0.32
24	1.31	1.07	0.73	0.65	1.50	1.35	0.68	0.57	1.45	2.10	0.15	0.45
25	2.42	1.15	0.94	1.10	1.72	1.10	1.00	1.25	1.30	1.75	0.03	-0.17
26	1.83	1.51	0.65	0.85	1.32	1.17	0.93	1.63	1.05	1.47	0.16	-0.49
27	1.00	0.75	0.35	1.08	1.21	1.34	0.94	1.52	1.10	1.00	0.34	-0.44
28	0.20	0.38	0.30	0.90	1.50	1.34	0.93	1.38	1.20	0.68	0.30	0.05
29	0.55	-----	-0.05	1.16	1.25	1.13	1.13	0.95	1.15	0.76	0.10	0.19
30	0.94	-----	0.20	1.35	1.25	0.91	1.11	1.12	1.45	0.85	0.18	0.54
31	0.20	-----	0.11	-----	1.30	-----	0.85	1.06	-----	-0.10	-----	0.55

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.99	0.64	0.35	0.73	1.20	1.12	0.85	0.89	1.50	1.55	0.87	0.62
MAX	2.42	1.51	1.16	2.00	2.27	2.25	1.21	1.63	1.95	2.53	1.61	1.76
MIN	0.10	-0.38	-1.40	-0.64	0.37	0.45	0.50	0.38	0.85	-0.10	0.03	-0.49
DAYS	31	28	27	30	31	30	31	31	30	30	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 360

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 0.95.

HIGHEST STAGE WAS 3.85 AT 4:45 P.M. ON APR 8.

LOWEST STAGE WAS MINUS 1.44 ON MAR 14.

## DAILY STAGE FOR 1993

## MISSISSIPPI RIVER-GULF OUTLET AT SHELL BEACH, LA.

LOCATION. LAT. 29-51-00, LONG. 89-41-00. ON SOUTH BANK OF BAYOU YSCLOSKEY 200 FEET SOUTHWEST OF JUNCTION WITH MISSISSIPPI RIVER GULF OUTLET. (STA. 8580004.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO JUNE 30, 1961, GAGE WAS LOCATED IN BAYOU YSCLOSKEY, 500 FEET ABOVE MOUTH.

RECORDS AVAILABLE. JULY 7, 1948 TO DATE.

EXTREMES. HIGHEST, 11.06 FEET (CAUSED BY HURRICANE) ON AUG. 17, 1969. ESTIMATED LOWEST, MINUS 2.7 FEET ON MAR. 5, 1965.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.72	-0.21	0.27	-0.33	1.61		1.21	1.39	1.40	1.53	1.81	
2	0.62	0.60	0.38	-0.31	2.51		1.28	1.40	1.73	1.55	1.30	
3	0.89	0.80	0.51	0.51	2.06		1.15	1.28	1.21	1.34	1.37	
4	1.12	0.81	-0.01	2.66	2.06	1.26	1.39	1.14	1.14	1.41	1.38	
5	0.57	0.73	-0.48	1.27	1.99	1.22	1.13	0.97	1.69	1.64	1.46	
6	0.57	1.03	-0.37	1.29	1.92	0.92	1.16	0.73	1.81	1.89	1.47	
7	0.52	0.68	-0.17	1.54	1.78	0.90	0.91	0.83	1.94	2.29	1.67	
8	0.70	0.51	-0.28	2.08	1.68	0.81	1.02	1.05	2.16	2.55	1.37	
9	1.00	0.75	-0.01	1.18	1.88	0.97	1.41	1.33	2.09	2.06	1.17	
10	1.58	1.13	0.38	0.81	1.45	0.99	1.22	1.47	1.63	2.14	1.43	
11	2.35	1.38	0.99	0.32	1.37	1.03	1.27	1.68	1.99	2.23		
12	1.60	0.31	1.83	0.67	1.53	1.12	1.43	1.84	1.82	1.66		
13	0.93	-0.17	-0.25	0.53	0.47	1.07	1.33	1.75	1.71	1.46		
14	1.11	0.00	0.17	1.07	1.14	1.45	1.38	1.27	1.89	1.94		
15	1.14	0.01	-0.07	1.30	1.13	1.73	1.70	0.90	1.77	1.88		
16	0.60	0.18	0.95	0.57	1.13	1.70	1.74	1.32	1.76	1.84		
17	0.08	0.89	0.37	0.85	1.01	2.07	1.55	1.24	2.11	1.86		
18	-0.11	0.80	0.74	0.52	1.30	2.61	1.44	1.14	2.01	1.83		
19	0.18	0.84	0.35	0.97	1.20	2.66	1.24	0.67	1.97	1.81		
20	0.92	0.00	0.84	1.39	2.07	2.52	1.00	0.96	1.91	1.97		
21	1.09	0.66	0.85	1.10	1.93	1.98	1.14	1.09	2.08	2.24		
22	0.96	0.75	0.98	1.13	2.10	1.96	1.13	0.86	2.10	2.51		
23	0.99	1.49	0.73	0.76	1.57	1.64	0.88	0.90	2.09	2.38		
24	1.36	1.36	0.92	1.08	1.81	1.67	0.87	1.04	1.55	2.61		
25	2.94	1.13	1.25	1.56	1.93	1.38	1.47	1.77	1.28	1.70		
26	1.94	1.59	1.09	1.41	1.66	1.58	1.25	2.13	1.23	1.74		
27	1.28	1.04	0.80	1.68	1.67	1.76	1.38	1.95	1.64	1.36		
28	0.52	0.62	0.67	1.29	1.80	1.75	1.52	1.91	1.94	1.27		
29	0.88	-----	0.40	1.30		1.53	1.68	1.43	1.92	1.11		
30	1.30	-----	0.44	1.44		1.36	1.74	1.58	1.84	1.47		
31	0.54	-----	0.14	-----		-----	1.48	1.49	-----	2.22	-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.00	0.70	0.47	1.05	1.63	1.54	1.31	1.31	1.78	1.85	1.44	
MAX	2.94	1.59	1.83	2.66	2.51	2.66	1.74	2.13	2.16	2.61	1.81	
MIN	-0.11	-0.21	-0.48	-0.33	0.47	0.81	0.87	0.67	1.14	1.11	1.17	
DAYS	31	28	31	30	28	27	31	31	30	31	10	0

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 308  
 THE MEAN STAGE FOR THE YEAR WAS 1.27.  
 HIGHEST STAGE WAS 5.03 AT 7:00 P.M. ON MAR 12.  
 LOWEST STAGE WAS MINUS 0.69 ON MAR 5.



## DAILY STAGE FOR 1993

BRETON SOUND NEAR GARDNER ISLAND, LA.

LOCATION. LAT. 29-42-23, LONG. 89-25-37. ON MISSISSIPPI RIVER-GULF OUTLET AT U. S. COAST GUARD LIGHT NUMBER 67 (MILE 23.2). (STA. 8585004.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. LOCATION OF GAGE HAS BEEN CHANGED SEVERAL TIMES DURING PERIOD OF RECORD.

RECORDS AVAILABLE. STAGE, JAN. 25, 1957 TO JUNE 1, 1965, AUG. 26, 1966 TO DEC. 1983, AND NOV. 14, 1987 TO AUG 5, 1993.

EXTREMES. HIGHEST, 6.49 FEET (AFFECTED BY HURRICANE) ON SEP. 9, 1988 (PROBABLY HIGHER DURING HURRICANE OF AUG. 1969). LOWEST, MINUS 3.04 FEET ON FEB. 25, 1961.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1967 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.72	-0.46	0.60			2.20	1.36	1.48				
2	0.50	0.79	0.64			2.02	1.52	1.52				
3	0.94	0.74	0.84			1.71	1.48	1.33				
4	0.96	0.52	0.00			1.59	1.63	1.07				
5	0.32	0.44	-1.06			1.56	1.28	0.81				
6	0.07	0.55	-0.38			1.28	1.18	S				
7	0.05	0.30	-0.26			1.10	0.84					
8	-0.06	0.31	-0.31			1.10	0.75					
9	0.32	0.61	0.03			1.02	1.19					
10	1.01	1.12	0.46			1.02	1.01					
11	1.36	1.62	1.14			1.07	1.00					
12	1.18	0.28	2.01			1.08	1.16					
13	0.53	0.04	-1.73			1.05	1.29					
14	1.06	0.41	-0.07			1.65	1.23					
15	1.20	0.31	-0.04			1.80	1.67					
16	0.56	0.45	1.14			1.79	1.74					
17	-0.13	1.14	0.63			2.29	1.64					
18	-0.11	0.54	0.71			2.88	1.67					
19	-0.11	0.54				3.03	1.38					
20	0.53	-0.29				2.71	1.09					
21	0.24	0.74			2.38	2.05	1.15					
22	0.32	0.79			2.40	1.95	0.99					
23	0.47	1.49			1.92	1.65	0.65					
24	0.69	1.30			2.01	1.57	0.67					
25	2.68	1.15			2.06	1.40	0.61					
26	1.63	1.53			1.85	1.40	1.01					
27	1.22	1.34			1.90	1.57	1.28					
28	0.41	0.82			1.85	1.58	1.45					
29	0.92	-----			1.64	1.50	1.57					
30	1.34	-----			1.67	1.42	1.80					
31	0.74	-----		-----	1.69	-----	1.67		-----		-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.70	0.68	0.24		1.94	1.67	1.26	1.24				
MAX	2.68	1.62	2.01		2.40	3.03	1.80	1.52				
MIN	-0.13	-0.46	-1.73		1.64	1.02	0.61	0.81				
DAYS	31	28	18	0	11	30	31	5	0	0	0	0

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 154

S=DISCONTINUED

THE MEAN STAGE FOR THE YEAR WAS 1.05.

HIGHEST STAGE WAS 3.30 AT 11:00 A.M. ON JUN 19.

LOWEST STAGE WAS MINUS 1.77 ON MAR 13.

DAILY STAGE FOR 1993  
GRAND ISLE EAST POINT, LA.

LOCATION. LAT. 29-15-48, LONG. 89-57-24. AT U.S. COAST GUARD BASE. (STA. 8840004.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY NATIONAL OCEAN SERVICE. PRIOR TO 1980 GAGE WAS TITLED BAYOU RIGAUD AT GRAND ISLE, LA. GAGE ZERO OF PUBLISHED REPORTS PRIOR TO 1980 SHOULD BE CORRECTED TO MINUS 4.61 FEET N.G.V.D. FROM 1980 TO 1986 GAGE ZERO WAS MINUS 3.05 FEET N.G.V.D.

RECORDS AVAILABLE. AUG. 2, 1947 TO DATE. PUBLISHED BY CORPS OF ENGINEERS SINCE 1949.

EXTREMES. HIGHEST, 13.19 FEET (CAUSED BY HURRICANE) ON SEP. 9, 1965. LOWEST, 1.4 FEET ON FEB. 2, 1951 AND JAN. 13, 1964. EXTREMES HAVE BEEN ADJUSTED TO CURRENT GAGE ZERO.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO, MINUS 5.60 FEET, NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	5.62	5.33	5.85	5.82	6.81	6.92	6.91	6.82	6.59	6.42	5.30	5.51
2	5.65	5.55	6.19	5.41	6.91	7.12	6.98	6.87	6.77	6.15	5.41	5.90
3	5.79	5.53	6.56	5.64	7.14	7.05	6.87	6.69	6.36	6.12	5.59	6.21
4	6.11	5.69	5.70	5.96	7.06	7.07	7.02	6.64	6.11	6.18	5.82	6.46
5	5.84	5.56	4.96	6.42	7.24	7.10	6.86	6.43	6.34	6.16	6.29	5.90
6	5.52	5.49	5.04	6.42	7.15	6.83	6.74	6.44	6.49	6.42	6.09	5.99
7	5.33	5.36	5.36	6.63	7.24	6.83	6.50	6.58	6.54	6.63	5.89	5.99
8	5.29	5.52	5.55	7.33	7.09	6.85	6.26	6.29	6.61	7.01	6.28	5.76
9	5.67	5.91	5.72	7.04	7.15	6.72	6.51	6.27	6.82	7.00	6.12	5.82
10	5.87	6.32	6.07	6.46	6.98	6.57	6.38	6.38	6.72	6.84	6.11	5.86
11	6.07	6.83	6.13	6.30	6.59	6.45	6.22	6.47	6.84	7.02	5.94	5.36
12	6.29	6.28	6.59	6.17	6.69	6.41	6.52	6.78	7.10	6.88	5.98	5.41
13	5.84	5.63	4.74	6.24	6.35	6.53	6.75	6.86	7.23	7.00	5.98	5.68
14	5.83	5.54	4.99	6.49	6.28	6.55	6.50	6.90	7.62	6.65	5.90	5.41
15	6.24	5.73	5.00	6.60	6.45	6.76	6.80	6.80	6.95	6.33	5.81	5.22
16	5.82	6.00	6.20	5.95	6.57	7.03	6.94	6.72	6.62	6.21	5.73	5.47
17	5.55	5.41	5.80	6.01	6.64	7.29	6.94	6.48	6.49	6.31	5.88	5.51
18	5.43	5.34	5.48	6.01	6.95	7.51	7.06	6.47	6.31	6.33	5.89	5.77
19	5.36	5.43	5.66	6.24	6.95	7.77	6.90	6.41	6.55	6.22	6.20	6.01
20	5.68	5.53	5.70	6.78	7.15	7.69	6.66	6.23	6.56	6.68	6.03	6.44
21	5.66	6.05	5.84	6.42	7.10	7.36	6.50	5.99	6.76	6.64	6.04	5.61
22	5.60	5.95	6.02	6.31	7.23	7.22	6.36	5.87	6.83	6.67	5.79	6.00
23	5.81	5.91	6.19	6.53	7.38	7.03	6.14	5.96	6.95	6.76	5.73	5.43
24	6.41	6.01	6.08	6.70	7.18	6.91	6.11	6.18	6.96	7.13	5.61	5.52
25	6.22	6.55	6.55	6.92	7.18	6.75	6.04	6.35	7.06	6.97	5.56	4.92
26	6.15	6.52	6.53	6.45	6.84	6.52	6.26	6.99	7.13	6.81	5.51	4.83
27	5.89	6.24	6.37	6.59	6.80	6.60	6.65	7.02	6.59	6.45	5.27	4.62
28	5.75	6.10	6.26	6.54	6.92	6.75	6.91	6.86	6.40	6.10	5.19	4.86
29	5.69	-----	6.27	6.64	6.83	6.85	6.85	6.88	6.48	6.33	5.16	5.22
30	5.85	-----	6.41	6.62	6.82	6.89	6.99	6.76	6.36	6.00	5.11	4.83
31	5.63	-----	6.43	-----	6.92	-----	6.88	6.71	-----	4.88	-----	5.26

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	5.79	5.83	5.88	6.39	6.92	6.93	6.65	6.55	6.70	6.49	5.77	5.57
MAX	6.41	6.83	6.59	7.33	7.38	7.77	7.06	7.02	7.62	7.13	6.29	6.46
MIN	5.29	5.33	4.74	5.41	6.28	6.41	6.04	5.87	6.11	4.88	5.11	4.62
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
THE MEAN STAGE FOR THE YEAR WAS 6.29.  
HIGHEST STAGE WAS 8.39 AT 2:00 P.M. ON APR 8.  
LOWEST STAGE WAS 4.08 ON MAR 13.

## DAILY STAGE FOR 1993

## ATCHAFALAYA BAY NEAR EUGENE ISLAND (LA.)

LOCATION. LAT. 29-27-03, LONG. 91-20-28. ON AMERADA HESS OIL CO. PLATFORM, APPROXIMATELY 5.5 MILES NORTHEAST OF EUGENE ISLAND. (STA. 8855010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. FEB. 25, 1976 TO DATE.

EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 6.70 FEET (CAUSED BY HURRICANE) ON AUG. 15, 1985.  
LOWEST, MINUS 2.04 FEET ON DEC. 23, 1989.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1969 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.50	0.22	0.77	0.88	2.03	1.12	1.45	0.96	0.69	1.09	1.08	0.95
2	0.41	0.25	1.24	0.51	1.51	1.68	1.51	1.21	0.76	0.81	0.55	1.11
3	0.37	0.29	1.14	0.81	1.39	1.94	1.33	1.17	0.79	0.57	0.64	1.51
4	0.43	0.26	0.17	0.58	1.50	1.96	1.99	1.04	0.63	0.82	1.00	1.89
5	0.06	0.18	-0.11	0.76	1.75	1.85	1.65	0.98	0.68	0.68	1.13	1.58
6	0.15	0.11	-0.13	0.97	2.05	1.87	1.63	1.11	0.97	1.07	0.39	1.27
7	-0.04	0.14	-0.01	1.41	2.12	2.24	1.48	1.35	1.22	1.33	1.13	1.34
8	0.05	0.13	0.05	1.08	2.16	2.52	1.25	1.06	1.10	1.71	1.05	0.93
9	0.19	0.43	0.20	1.40	2.28	2.03	1.36	0.99	1.29	1.68	0.54	0.92
10	0.43	0.76	0.70	1.64	2.20	1.55	1.47	0.99	1.21	1.59	0.62	0.79
11	0.45	1.86	0.71	1.69	1.35	1.39	1.21	0.99	1.05	2.11	0.59	0.64
12	0.95	1.37	0.90	1.33	1.50	1.22	1.30	1.24	1.60	1.54	0.53	0.80
13	0.56	0.46	0.52	1.37	1.09	1.23	1.40	1.38	1.86	1.05	0.54	1.14
14	0.92	0.48	1.10	1.45	1.02	1.04	1.17	1.32	1.87	0.87	0.65	0.98
15	0.56	0.44	0.84	1.25	1.23	1.17	1.42	1.16	0.84	0.63	0.59	0.87
16	0.67	0.05	1.10	0.92	1.40	1.44	1.47	0.83	0.82	0.58	1.18	1.24
17	0.47	0.27	0.38	0.95	1.32	1.77	1.29	0.61	0.73	0.78	0.65	1.41
18	0.09	0.29	0.72	1.09	1.73	1.95	1.33	0.69	0.65	1.21	1.03	1.42
19	-0.12	0.35	0.48	1.34	1.28	2.20	1.19	0.83	1.11	1.33	1.26	1.37
20	0.02	-0.05	0.68	1.34	1.47	2.67	1.15	0.76	1.25	1.65	0.39	1.73
21	0.02	0.42	0.54	0.95	1.47	1.91	1.01	0.85	1.35	2.00	1.12	0.89
22	0.09	0.05	0.73	1.48	1.75	2.12	1.11	1.02	1.57	2.15	0.61	1.18
23	0.17	0.36	0.91	1.66	2.39	2.19	1.11	0.92	1.44	2.00	0.68	1.16
24	0.46	0.47	0.76	2.11	2.39	2.28	1.24	0.91	1.53	1.89	0.45	1.10
25	0.77	0.99	1.04	1.74	2.38	1.85	1.12	0.75	1.42	1.32	0.38	0.79
26	1.04	0.76	1.21	1.44	1.91	1.75	0.97	1.40	1.60	1.19	0.32	0.90
27	0.98	1.42	1.39	1.72	1.69	1.51	1.25	1.35	0.53	0.92	0.41	0.50
28	0.63	0.79	1.28	1.57	1.86	1.50	1.36	1.01	1.33	1.11	0.59	0.63
29	0.56	-----	1.27	1.57	1.68	1.61	1.07	0.99	0.98	0.85	0.48	0.70
30	0.79	-----	1.37	1.48	1.52	1.66	1.32	0.85	0.82	0.86	0.56	0.81
31	0.82	-----	1.11	-----	1.37	-----	1.02	0.82	-----	0.85	-----	1.02

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.43	0.48	0.74	1.28	1.70	1.77	1.31	1.02	1.12	1.23	0.70	1.08
MAX	1.04	1.86	1.39	2.11	2.39	2.67	1.99	1.40	1.87	2.15	1.26	1.89
MIN	-0.12	-0.05	-0.13	0.51	1.02	1.04	0.97	0.61	0.53	0.57	0.32	0.50
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
THE MEAN STAGE FOR THE YEAR WAS 1.08.  
HIGHEST STAGE WAS 3.84 AT 4:00 P.M. ON DEC 13.  
LOWEST STAGE WAS MINUS 0.33 ON JUL 26.

## DAILY STAGE FOR 1993

## ATCHAFALAYA BAY AT EUGENE ISLAND (LA.)

LOCATION. LAT. 29-22-45, LONG. 91-22-54. ON TOWER B-17 IN SOUTHERN ATCHAFALAYA BAY. (STA. 8860010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO 1973 GAGE WAS MAINTAINED BY NATIONAL OCEAN SURVEY WITH GAGE ZERO AT MINUS 2.99 FEET, NGVD. GAGE REESTABLISHED IN APR. 1973 BY CORPS OF ENGINEERS WITH GAGE ZERO AT M.L.G.

RECORDS AVAILABLE. STAGE, MAY 26, 1939 TO MAY 3, 1972 AND APR. 12, 1973 TO DATE. ADD 0.3 TO DAILY STAGES PRIOR TO 1944, AND SUBTRACT 0.7 FROM DAILY STAGES FROM 1944 TO 1958.

EXTREMES. HIGHEST, 6.81 FEET (AFFECTED BY HURRICANE) ON JUNE 27, 1957. LOWEST, (FROM INCOMPLETE RECORD) MINUS 3.86 FEET ON FEB. 22, 1976. EXTREMES HAVE BEEN ADJUSTED TO CURRENT GAGE ZERO.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	-0.93	-1.38	-0.13	-0.80	0.30	-0.32			-0.70	-0.60	-1.46	-1.40
2	-1.05	-1.30	0.53	-1.45	-0.05	0.30			-0.60	-0.97	-1.40	-1.15
3	-0.94	-1.10	0.30	-0.65	-0.35	0.41			-0.60	-1.25	-1.20	-0.50
4	-0.70	-1.10	-0.93	-0.50	0.08	0.42			-0.80	-0.95	-0.80	-0.05
5	-1.65	-1.53	-2.12	-1.40	0.25	0.30			-0.67	-1.16	-0.60	-0.30
6	-1.82	-2.28	-2.05	-0.65	0.95	0.40			-0.50	-0.65	-1.56	-0.60
7	-2.14	-2.15	-1.91	0.05	0.80	0.90			-0.01	-0.10	-0.70	-0.30
8	-2.20	-1.89	-1.66	-0.65	1.03	1.25			-0.15	0.30	-0.30	-0.74
9	-1.72	-1.33	-1.34	-0.20	1.07	0.73			0.14	0.40	-0.90	-0.60
10	-1.18	-0.57	-0.85	0.30	0.80	0.25			0.10	-0.05	-0.93	-0.95
11	-1.24	0.65	-0.75	0.25	-0.10	0.15			-0.05	0.00	-0.87	-1.90
12	-0.30	-0.35	-0.25	-0.15	0.15	-0.15			0.45	0.01	-1.05	-1.85
13	-1.17	-0.54 F	-2.50	-0.05	-0.50	-0.13			0.80	-0.10	-1.25	-1.30
14	-0.75	-0.50	-1.15	0.00	-0.70	-0.40			0.70	-0.70	-1.39	-1.90
15	-0.50	-0.48	-1.30	-0.85	-0.25	-0.06			-0.15	-1.10	-1.60	-2.05
16	-1.15	-0.53	0.00	-1.00	-0.12	0.17			-0.93	-1.49	-0.65	-1.56
17	-1.20	-1.69	-1.36	-1.05	-0.25	0.60			-0.95	-1.16	-1.65	-1.20
18	-1.62	-2.18	-0.90	-0.90	0.25	0.75			-0.85	-0.65	-0.86	-0.75
19	-2.02	-1.43	-1.10	-0.33	-0.30	1.75			-0.25	-0.45	-0.43	-0.20
20	-1.63	-1.12	-0.75	-0.35	0.05	1.41			-0.20	0.15	-1.45	0.10
21	-2.03	-0.95	-1.12	-1.45	-0.08	0.80			-0.10	-0.15	-0.64	-1.60
22	-1.77	-0.84	-0.70	-0.15	0.34	0.73			0.40	-0.45	-1.10	-0.75
23	-1.45	-0.91	-0.60	0.08	0.95	0.70			0.25	-0.01	-0.90	-1.75
24	-1.35	-0.78	-1.00	0.70	0.45	0.90			0.37	0.30	-1.20	-1.51
25	-0.95	-0.28	-0.40	0.30	1.15	0.51			0.20	-0.10	-1.45	-1.75
26	-0.80	-0.63	-0.25	-0.11	0.65	0.55						
27	-0.75	-0.08	0.00	-0.08	0.55	0.15	F	0.25	0.40	-0.35	-1.70	-2.13
28	-1.02	-0.25	-0.05	0.25	0.77	0.12		0.20	-1.39	-0.80	-2.14	-2.14
29	-0.75	-----	0.00	0.20	0.45	0.30		-0.15	-0.50	-0.85	-2.08	-2.11
30	-0.89	-----	0.05	0.00	0.15	0.16		-0.25	-0.64	-0.80	-2.03	-2.12
31	-0.68	-----	-0.25	-----	-0.05	-----		-0.44	-0.90	-2.14	-1.99	-2.15
								-0.45	-----	-2.15	-----	-1.88

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	-1.24	-0.98	-0.79	-0.35	0.27	0.45		-0.14	-0.24	-0.58	-1.21	-1.26
MAX	-0.30	0.65	0.53	0.70	1.15	1.75		0.25	0.80	0.40	-0.30	0.10
MIN	-2.20	-2.28	-2.50	-1.45	-0.70	-0.40		-0.45	-1.39	-2.15	-2.14	-2.15
DAYS	31	28	31	30	31	30	0	6	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 309

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS MINUS 0.58.

HIGHEST STAGE WAS 2.90 AT 3:40 P.M. ON DEC 13.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS MINUS 2.53 ON MAR 5.

## DAILY STAGE FOR 1993

EAST COTE BLANCHE BAY AT LUKES LANDING, LA.

LOCATION. LAT. 29-35-48, LONG. 91-32-35. ON DOCK, 2.8 MILES NORTH OF ENTRANCE TO BAYOU SALE AND 2.1 MILES SOUTH OF SOUTH BEND, LA. (STA. 8880013.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. FEB. 22, 1957 TO DATE.

EXTREMES. HIGHEST, ESTIMATED 9.50 FEET (CAUSED BY HURRICANE) ON AUG. 15, 1985. LOWEST, MINUS 3.66 FEET ON APR. 9, 1957.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.39	0.41	1.58	1.75	2.81	1.74	2.52		1.88	2.01	1.26	1.30
2	0.93	0.21	2.20	0.98	2.41	3.02	2.60		2.08	1.69	1.40	1.51
3	1.21	0.59	2.24	1.79	2.26	3.26	2.57		2.13	1.34	1.55	2.09
4	1.49	0.70	0.45	1.59	2.59	3.00	3.22		2.01	1.54	2.23	2.63
5	0.06	0.42	-0.28	0.93	3.02	3.00	2.95		1.87	1.42	2.29	2.15
6	0.28	-0.26	-0.09	1.81	3.46	3.25	3.04		2.29	2.36	0.51	2.02
7	0.10	0.21	0.68	2.71	3.46	3.77	2.77		2.60	2.65	1.30	2.36
8	0.30	0.53	0.89	1.91	3.50	4.30	2.35		2.53	3.15	2.02	1.66
9	0.64	1.22	1.49	2.00	3.61	3.62	2.61		2.75	3.21	1.64	1.82
10	1.49	1.99	2.05	2.61	3.41	3.03	2.51		2.60	2.34	1.74	1.34
11	1.18	3.13	1.80	2.70	2.14	2.77	2.56		2.59	2.77	1.79	0.21
12	2.27	2.00	2.11	2.38	2.60	2.59	2.68		3.18	2.30	1.59	0.29
13	0.76	0.94	-0.24	2.43	1.47	2.49	2.79		3.73	1.93	1.35	1.67
14	1.48	1.13	1.11	2.32	1.42	2.07	2.43		3.64	1.71	1.35	0.52
15	1.73	1.27	1.35	1.28	2.15	2.43	2.81		2.44	1.65	1.20	0.27
16	1.44	0.22	2.62	0.88	2.51	2.80	2.86		1.47	1.71	2.12	1.16
17	1.22	-0.24	0.96	1.15	2.44	3.10	2.61		1.59	2.03	0.80	1.55
18	0.69	-0.68	1.64	1.73	3.10	3.24	2.72		1.90	2.79	1.74	1.88
19	0.21	0.14	1.20	2.31	2.21	4.31	2.49		2.46	2.89	2.04	2.21
20	0.85	0.50	1.66	2.17	2.49	4.20	2.31		2.68	3.34	0.78	2.66
21	0.26	1.55	1.36	0.56	2.66	3.46	2.06		2.71	2.82	1.91	0.31
22	0.61	0.62	1.95	2.41	3.22	3.44	2.12		3.00	1.56	1.48	1.50
23	0.96	1.27	2.27	2.88	3.99	3.18	2.04		2.86	2.43	1.89	0.15
24		1.54	1.68	3.46	4.12	3.34	2.23		2.99	2.89	1.40	0.70
25	1.32	2.53	2.40	2.89	3.57	3.13	2.13		2.97	2.34	1.16	0.48
26	1.67	1.30	2.39	2.16	3.12	3.26		2.90	3.24	2.11	0.52	0.05
27	1.82	2.02	2.80	2.42	3.01	2.91		3.05	0.68	1.55	-0.29	-0.28
28	1.51	1.79	2.62	2.62	3.12	2.76		2.56	1.88	1.53	0.35	0.38
29	1.56	-----	2.67	2.83	2.94	3.00		2.44	1.73	1.78	0.42	0.19
30	1.14	-----	2.83	2.73	2.72	3.04		2.12	1.47	-0.21	0.47	
31	1.08	-----	2.53	-----	2.45	-----		2.05	-----	-0.11	-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.05	0.97	1.64	2.08	2.84	3.12	2.56	2.52	2.40	2.05	1.33	1.20
MAX	2.27	3.13	2.83	3.46	4.12	4.31	3.22	3.05	3.73	3.34	2.29	2.66
MIN	0.06	-0.68	-0.28	0.56	1.42	1.74	2.04	2.05	0.68	-0.21	-0.29	-0.28
DAYS	30	28	31	30	31	30	25	6	30	31	30	29

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 331

THE MEAN STAGE FOR THE YEAR WAS 1.94.

HIGHEST STAGE WAS 4.81 AT 10:00 A.M. ON JUN 19 AND LATER DATE(S).

LOWEST STAGE WAS MINUS 0.71 ON FEB 18.

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PART II  
OBSERVED DISCHARGES  
OF THE  
MISSISSIPPI RIVER AND TRIBUTARIES  
AND  
OTHER WATERSHEDS



## MISSISSIPPI RIVER NEAR COOCHIE, LA.

## DISCHARGE OBSERVATIONS

DATE	MEAN GAGE READING	MAXIMUM DEPTH	M A I N C H A N N E L		VELOCITIES		OVERBANK	TOTAL
			WIDTH	AREA	MEAN	MAXIMUM	DISCHARGE	DISCHARGE
1993	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
JAN 21	49.93	80	3823	2211	5.80	9.30		1282
FEB 03	48.25	82	3825	2115	5.58	8.93		1180
FEB 16	38.69	63	3588	1643	4.15	6.11		682
MAR 01	41.88	75	3619	1861	4.32	6.63		804
MAR 15	46.92	72	3693	1964	5.71	9.67		1121
MAR 29	49.75	85	3850	2126	5.48	8.47		1164
APR 12	53.03	80	3950	2193	5.61	9.28		1229
APR 26	55.35	78	3745	2195	5.46	8.13		1197
MAY 25	54.93	78	3325	2136	4.95	7.11		1058
JUN 21	44.60	77	3663	1908	5.03	6.59		960
JUL 19	44.84	70	3683	1794	5.38	7.26		965
AUG 04	48.19	70	3600	1869	5.82	8.67		1087
AUG 16	49.39	73	3600	1978	5.80	8.54		1147
AUG 30	47.14	83	3699	1951	4.75	7.26		927
SEP 13	37.40	62	3560	1591	4.66	6.43		741
OCT 14	45.22	63	3685	1830	5.26	8.02		963
OCT 25	35.16	60	3385	1505	4.11	5.97		619
NOV 08	30.42	53	3349	1368	3.59	5.20		491
NOV 22	39.26	61	3604	1711	4.70	7.08		804
DEC 13	46.72	81	3698	2023	5.28	7.89		1067

DISCHARGE RANGE. UPSTREAM FROM OLD RIVER OUTFLOW CHANNEL AT MILE 317.2.  
(STA. 0102011.)

GAGE. MISSISSIPPI RIVER NEAR KNOX LANDING. STAFF TYPE AT MILE 313.7.  
ZERO, NGVD

## MISSISSIPPI RIVER AT TARBERT LANDING, MISS.

1993	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
JAN 05	44.70	65	3878	1790	4.48	6.72		802
JAN 07	44.15	70	3872	1854	4.73	7.60		877
JAN 11	44.98	67	3894	1856	4.60	6.34		853
JAN 13	46.15	68	3898	1891	4.83	6.69		914
JAN 19	47.20	70	3908	1950	5.00	6.95		974
JAN 21	47.95	74	3918	2014	5.08	6.86		1024
JAN 25	47.40	70	3917	1966	4.77	8.38		938
JAN 27	47.35	71	3919	1874	4.72	7.82		885
FEB 01	46.60	70	3914	1939	4.98	7.58		965
FEB 03	46.02	70	3895	1952	4.56	7.22		890
FEB 08	44.47	66	3877	1908	4.54	6.47		866
FEB 10	42.82	70	3871	1865	4.06	5.74		758
FEB 16	36.82	60	3574	1509	3.53	4.09		532
FEB 18	36.40	59	3558	1548	3.78	4.54		585
FEB 22	37.82	61	3566	1589	3.95	5.09		628
FEB 24	38.37	60	3551	1577	3.74	4.84		590
MAR 01	39.80	62	3833	1684	3.96	5.59		668
MAR 03	41.92	64	3859	1754	4.10	5.37		719
MAR 08	43.53	68	3869	1831	4.37	6.34		800
MAR 10	43.15	66	3873	1793	4.40	6.30		789
MAR 15	44.84	68	3893	1861	4.59	6.56		854
MAR 17	45.63	68	3898	1875	4.65	6.78		871
MAR 22	47.62	70	3924	1960	4.76	7.76		932
MAR 24	48.06	69	3929	1993	4.75	6.59		947
MAR 31	47.27	66	3922	1861	4.58	6.71		852
APR 05	47.97	69	3928	1949	4.69	6.86		914
APR 07	48.31	71	3928	1949	4.72	7.43		921
APR 12	50.94	70	3915	1984	5.08	7.65		1008
APR 14	51.42	73	3915	2002	5.34	8.19		1069
APR 19	52.32	70	3920	2072	5.07	7.49		1050

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## MISSISSIPPI RIVER AT TARBERT LANDING, MISS.

CONTINUED

DISCHARGE OBSERVATIONS								
M A I N C H A N N E L					OVERBANK		TOTAL	
DATE	MEAN GAGE READING	MAXIMUM DEPTH	WIDTH	AREA	VELOCITIES MEAN      MAXIMUM		DISCHARGE	DISCHARGE
1993	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
APR 21	52.60	71	3920	2071	5.01	7.47		1037
APR 26	53.15	72	3920	2057	5.04	7.56		1037
APR 28	53.15	72	3920	2051	5.18	7.32		1063
MAY 03	52.80	71	3920	2086	4.97	7.47		1036
MAY 05	52.75	71	3870	2078	4.68	8.19	4.2	978
MAY 10	52.35	71	3920	2071	4.56	6.86		944
MAY 17	53.20	72	3920	2069	5.00	7.43		1034
MAY 19	53.25	73	3920	2089	4.94	7.43		1032
MAY 25	52.77	72	3920	2065	4.99	7.08		1031
JUN 01	50.51	69	3915	1986	4.28	6.13		851
JUN 09	43.77	63	3918	1722	3.71	5.71		638
JUN 15	40.85	59	3875	1597	4.09	5.24		653
JUN 17	41.30	58	3878	1641	4.00	5.04		656
JUN 21	42.30	60	3880	1637	4.16	5.02		681
JUN 23	43.15	60	3856	1620	4.07	5.67		659
JUN 28	42.80	58	3862	1659	3.96	5.71		657
JUN 30	41.65	57	3844	1597	4.03	5.45		643
JUL 06	39.86	55	3849	1512	4.15	5.71		628
JUL 08	39.10	56	3560	1496	4.62	5.47		692
JUL 12	39.26	56	3560	1445	4.36	4.85		631
JUL 14	40.39	57	3825	1527	4.09	5.22		624
JUL 19	42.66	57	3849	1522	4.11	5.17		626
JUL 21	43.06	60	3864	1658	4.41	5.58		732
JUL 26	44.14	60	3861	1668	4.34	5.24		723
JUL 28	44.48	61	3877	1651	4.43	5.28		731
AUG 02	45.64	63	3888	1708	4.11	5.00		702
AUG 04	46.04	62	3896	1731	4.46	6.17		771
AUG 09	46.77	63	3903	1784	4.24	6.08		757
AUG 12	47.37	64	3912	1773	4.48	5.78		794
AUG 16	47.30	63	3914	1797	4.74	6.21		852
AUG 18	47.10	63	3916	1772	4.41	6.21		782
AUG 23	46.34	60	3904	1699	4.59	5.74		779
AUG 25	46.03	62	3898	1697	4.22	5.84		716
SEP 01	44.03	62	3875	1613	3.97	5.22		640
SEP 07	39.16	56	3831	1462	4.00	4.96		585
SEP 09	37.60	52	3565	1359	3.77	4.82		512
SEP 13	35.15	49	3535	1260	3.96	4.85		499
SEP 15	35.20	51	3542	1270	3.87	4.61		491
SEP 20	34.88	52	3539	1275	3.89	4.52		496
SEP 22	35.00	50	3551	1286	3.89	4.72		501
SEP 29	36.92	55	3560	1347	4.07	5.04		547
OCT 04	39.97	59	3817	1496	4.31	5.84		645
OCT 06	41.24	60	3824	1552	4.44	5.58		689
OCT 12	43.55	62	3870	1634	4.63	6.63		757
OCT 18	39.45	59	3565	1463	4.06	5.93		594
OCT 20	36.96	55	3564	1367	3.63	4.30		497
OCT 27	33.90	56	3545	1282	4.07	4.70		521
NOV 01	32.85	52	3538	1233	3.68	4.28		454
NOV 03	31.75	52	3521	1224	3.89	4.65		476
NOV 08	28.16	47	3515	1107	3.45	4.33		382
NOV 10	27.40	48	3499	1066	3.41	4.06		364
NOV 15	26.74	48	3491	1036	3.40	4.45		352
NOV 17	29.87	50	3548	1163	4.02	5.35		467
NOV 24	40.20	58	3809	1559	4.41	5.35		687
NOV 29	43.87	67	3880	1696	4.70	6.63		796
DEC 09	43.57	64	3875	1685	4.61	7.41		777
DEC 16	45.45	66	3902	1786	4.48	6.91		800
DEC 23	45.69	67	3894	1767	4.47	6.52		790
DEC 30	38.42	60	3568	1471	4.03	5.09		592

DISCHARGE RANGE. UPSTREAM FROM LOWER OLD RIVER AT MILE 306.3.  
(STA. 0110011.)

GAGE. RED RIVER LANDING, LA. STAFF TYPE AT MILE 302.4. ZERO, NGVD

## MISSISSIPPI RIVER AT SMITHLAND CROSSING (LA.) (NORTH)

## DISCHARGE OBSERVATIONS

DATE	MEAN GAGE READING	MAXIMUM DEPTH	M A I N      C H A N N E L		OVERBANK		TOTAL
			WIDTH	AREA	VELOCITIES MEAN	MAXIMUM	DISCHARGE
				100 SQ FT	FPS	FPS	1000 CFS
1993	FT	FT	FT				
JAN 07	44.15	64	5791	1518	3.49	4.59	531
MAR 16	45.28	57	6151	1553	3.52	4.48	547
APR 21	52.60	53	5925	1755	3.95	4.82	693
MAY 12	52.50	52	5925	1696	3.95	5.11	670
JUN 23	43.18	40	5925	1143	3.45	5.74	394
DEC 01	43.85	37	5925	1269	3.73	4.50	473

DISCHARGE RANGE. 4 MILES DOWNSTREAM FROM LOWER OLD RIVER AT MILE 298.5.  
(STA. 0112112B.)

GAGE. RED RIVER LANDING, LA. STAFF TYPE AT MILE 302.4. ZERO, NGVD.

## MISSISSIPPI RIVER AT SMITHLAND CROSSING (LA.) (SOUTH)

1993	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
JAN 07	44.15	67	2464	960	3.22	4.30		309
MAR 16	45.28	66	2313	727	4.43	5.32		322
APR 21	52.60	70	2300	951	3.89	4.52		370
MAY 12	52.50	70	2300	1086	3.84	4.37		417
JUN 23	43.18	59	2308	692	3.53	4.06		244
DEC 01	43.85	63	2350	911	3.53	4.48		321

DISCHARGE RANGE. 4 MILES DOWNSTREAM FROM LOWER OLD RIVER AT MILE 298.5.  
(STA. 0112312B.)

GAGE. RED RIVER LANDING, LA. STAFF TYPE AT MILE 302.4. ZERO, NGVD.

## PROFIT ISLAND CHUTE (LA.)

1993	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
JAN 21	32.50	85	1009	567	5.13	6.50		291
MAR 24	31.90	85	1007	562	5.42	6.80		304
JUN 29	27.60	75	978	473	4.91	5.80		232
OCT 06	26.10	74	973	471	4.83	5.80		227

DISCHARGE RANGE. UPSTREAM FROM BATON ROUGE AT MILE 248.  
(STA. 0115009.)

GAGE. BATON ROUGE, LA. STAFF TYPE AT MILE 228.4. ZERO, NGVD

## MISSISSIPPI RIVER AT BELLE CHASSE, LA.

1993	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
FEB 03			2310	1690	4.08			691
MAR 05			2265	1682	3.81			641
APR 22			2512	1715	4.92			845
MAY 25			2490	1606	5.39			866
JUN 29			2291	1516	3.91			593
JUL 29			2293	1577	4.00			631
SEP 21			2380	1689	2.51			425
NOV 10			2225	1529	1.98			303

MEASUREMENTS MADE BY U.S. GEOLOGICAL SURVEY.

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## MISSISSIPPI RIVER AT BELLE CHASSE, LA.

CONTINUED

DISCHARGE RANGE. AT FERRY CROSSING AT MILE 76.0. (STA. 0138804.)

OLD RIVER CONTROL OUTFLOW CHANNEL NEAR KNOX LANDING, LA. (RANGE D-76)

## DISCHARGE OBSERVATIONS

DATE	MEAN GAGE READING	MAXIMUM DEPTH	M A I N C H A N N E L		VELOCITIES		OVERBANK	TOTAL
			WIDTH	AREA	MEAN	MAXIMUM	DISCHARGE	DISCHARGE
1993	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
JUL 13	26.67	34	1369	268	2.82	3.56		75.5

DISCHARGE RANGE. APPROXIMATELY 1 MILE DOWNSTREAM FROM OLD RIVER CONTROL STRUCTURE. (STA. 0245011.)

GAGE. AUTOMATIC TYPE AT CONTROL STRUCTURE. ZERO, NGVD

OLD RIVER AUXILIARY CONTROL OUTFLOW CHANNEL NEAR KNOX LANDING, LA.

1993	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
JUL 29	32.00	40	955	264	5.73	7.04		152
AUG 19	34.70	46	987	302	6.04	7.58		183
AUG 31	32.00	44	950	284	5.29	6.17		150
SEP 16	23.00	34	806	188	5.32	6.47		100
SEP 30	23.27	32	814	194	2.77	3.35		53.5
OCT 13	30.70	43	910	265	4.66	5.45		124
NOV 23	25.93	36	858	225	2.25	2.83		50.7
DEC 15	32.28	42	961	289	2.76	3.33		79.6

DISCHARGE IS REGULATED BY OLD RIVER AUXILIARY CONTROL STRUCTURE. (STA. 0250011.)

GAGE. AUTOMATIC TYPE AT AUXILIARY CONTROL STRUCTURE. ZERO, NGVD

OLD RIVER OUTFLOW CHANNEL NEAR KNOX LANDING, LA.

1993	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
JAN 12	31.40	39	1801	626	3.33	3.87		209
JAN 26	33.60	40	1837	660	3.34	3.74		221
FEB 17	23.50	31	1851	507	3.19	4.15		162
MAR 11	30.80	38	1893	617	3.00	3.65		185
MAY 04	40.00	47	1896	770	4.08	4.54		314
JUN 02	37.54	44	1932	732	4.06	4.69		297
JUN 22	28.68	35	1911	576	3.71	4.30		214
JUL 14	27.37	30	1905	519	4.48	5.30		233
JUL 27	31.75	35	1911	619	5.26	5.65		325
AUG 10	34.45	40	1924	683	4.71	5.28		322
AUG 24	33.38	38	1906	636	4.95	5.41		315
SEP 08	23.74	32	1837	449	4.23	4.63		190
SEP 21	21.90	31	1826	422	4.60	5.08		194
OCT 05	27.05	35	1811	538	4.93	5.47		265
OCT 19	25.15	35	1801	506	4.18	5.59		211
NOV 16	16.20	27	1775	353	2.96	3.46		104
NOV 30	32.99	41	1893	651	4.31	5.02		281
DEC 06	30.74	40	1868	630	3.97	4.46		250
DEC 20	32.75	43	1880	668	3.70	4.13		247

DISCHARGE RANGE. 5.5 MILES DOWNSTREAM FROM OLD RIVER CONTROL STRUCTURE. (STA. 0260011.)

GAGE. AUTOMATIC TYPE AT CONTROL STRUCTURE. ZERO, NGVD

## ATCHAFALAYA RIVER AT SIMMESPORT, LA.

## DISCHARGE OBSERVATIONS

DATE	MEAN GAGE READING	MAXIMUM DEPTH	M A I N C H A N N E L		VELOCITIES		OVERBANK	TOTAL
			WIDTH	AREA	MEAN	MAXIMUM	DISCHARGE	DISCHARGE
			FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
1993	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
JAN 06	27.01	54	1935	791	4.36	5.48		345
JAN 12	27.30	54	1940	811	4.40	5.58		357
JAN 14	28.60	56	1960	830	4.37	5.71		363
JAN 20	29.30	57	1977	856	4.62	5.78		396
JAN 26	29.22	58	1977	850	4.55	5.85		386
JAN 28	29.22	55	1978	820	4.44	5.59		364
FEB 02	28.40	56	1976	842	4.42	5.61		372
FEB 04	28.22	56	1968	826	4.43	5.78		366
FEB 09	26.49	54	1961	802	4.30	5.37		345
FEB 11	24.88	52	1957	763	3.89	4.95		297
FEB 17	20.12	46	1935	670	3.82	4.87		256
FEB 23	20.75	47	1932	673	3.77	4.72		254
FEB 25	21.20	46	1933	663	3.91	5.04		260
MAR 02	23.71	49	1946	717	4.11	5.20		295
MAR 04	26.10	50	1957	733	4.29	5.26		315
MAR 09	27.20	53	1965	783	4.55	5.89		356
MAR 11	26.90	54	1964	783	4.47	5.71		350
MAR 16	28.43	56	1972	818	4.65	5.91		380
MAR 23	31.30	58	1987	879	4.97	6.11		437
MAR 25	31.60	58	1988	873	4.99	6.50		435
MAR 30	31.12	56	1992	859	4.88	6.09		419
APR 01	30.70	54	1986	794	4.73	6.63		376
APR 06	31.22	56	1987	857	4.60	5.61		394
APR 08	32.15	58	1991	872	4.72	6.08		411
APR 13	33.73	59	1996	898	4.98	6.34		447
APR 20	35.20	59	2012	915	5.29	6.69		484
APR 22	35.25	59	2008	916	5.26	7.11		482
APR 27	35.65	60	2000	937	5.24	6.22		491
APR 29	35.12	60	2006	932	5.10	6.47		475
MAY 04	34.74	62	1997	919	5.06	6.52		465
MAY 06	34.85	60	1996	933	5.10	6.47		475
MAY 13	34.75	61	1981	909	5.08	6.11		461
MAY 20	35.70	60	1992	936	5.26	6.63		492
MAY 27	34.65	57	1985	854	4.98	6.24		425
JUN 03	31.80	55	1985	837	5.03	5.87		421
JUN 08	27.15	51	1957	778	4.11	4.74		320
JUN 10	24.77	46	1938	682	4.20	4.95		286
JUN 14	22.90	44	1935	660	3.94	4.61		260
JUN 22	24.42	45	1947	680	4.11	4.96		279
JUL 01	23.10	47	1937	700	4.00	4.69		280
JUL 07	21.58	44	1940	662	4.06	4.93		269
JUL 13	21.78	45	1941	652	4.19	5.59		273
JUL 15	23.04	45	1945	655	4.26	5.52		279
JUL 20	23.97	46	1949	683	4.39	5.41		300
JUL 22	24.70	46	1949	680	4.47	5.34		304
JUL 27	25.92	48	1950	738	4.44	5.56		328
JUL 29	26.29	48	1957	733	4.51	5.54		330
AUG 03	27.03	50	1963	757	4.35	5.20		329
AUG 05	27.63	50	1963	777	4.41	5.35		342
AUG 10	28.80	52	1967	795	4.30	5.47		342
AUG 17	29.25	51	1979	799	4.51	5.37		360
AUG 19	22.81	50	1978	793	4.52	5.54		359
AUG 24	27.81	50	1965	763	4.34	5.13		331
AUG 26	27.53	51	1961	757	4.44	5.35		336
AUG 31	26.30	45	1950	691	4.38	5.25		303
SEP 02	25.13	48	1941	710	4.24	4.96		301
SEP 08	19.37	41	1918	610	3.83	5.04		233
SEP 14	17.50	40	1909	582	3.65	4.63		213
SEP 16	16.81	39	1906	551	3.55	4.67		196
SEP 21	16.85	40	1910	563	3.80	4.85		214
SEP 23	17.01	40	1925	571	3.71	4.95		212
SEP 28	17.70	40	1918	576	3.86	4.98		222
SEP 30	18.15	41	1926	586	3.68	4.82		216

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## ATCHAFALAYA RIVER AT SIMMESPORT, LA.

CONTINUED

DISCHARGE OBSERVATIONS								
			M A I N	C H A N N E L			OVERBANK	TOTAL
DATE	MEAN GAGE READING	MAXIMUM DEPTH	WIDTH	AREA	VELOCITIES MEAN                  MAXIMUM		DISCHARGE	DISCHARGE
1993	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
OCT 05	21.78	42	1950	636	4.08	5.27		259
OCT 07	23.79	48	1954	710	4.03	5.20		286
OCT 13	24.85	49	1957	738	4.24	5.22		313
OCT 19	20.54	44	1943	660	3.82	4.57		252
OCT 21	17.62	41	1919	607	3.57	4.35		217
OCT 26	17.08	41	1912	599	3.44	4.54		206
OCT 28	15.95	40	1905	574	3.48	4.11		199
NOV 04	14.58	39	1904	551	3.32	4.02		183
NOV 09	12.23	36	1862	506	3.09	3.91		156
NOV 16	13.39	36	1922	477	3.19	4.65		152
NOV 18	14.58	38	1914	530	3.34	4.20		177
DEC 02	27.51	51	1975	791	4.15	5.47		329
DEC 08	25.60	50	1966	761	4.15	5.19		316
DEC 15	28.24	53	1975	805	4.41	5.45		355
DEC 22	28.40	54	1971	820	4.59	5.59		377
DEC 29	20.79	46	1943	680	3.79	4.45		258

DISCHARGE RANGE. DOWNSTREAM FROM KANSAS CITY SOUTHERN RAILROAD BRIDGE AT  
MILE 8.2. (STA. 0304512.)

GAGE. AUTOMATIC TYPE ON BRIDGE (MILE 4.9). ZERO, NGVD

## BAYOU CHENE BELOW BAYOU CROOK CHENE (LA.)

1993	FT	FT	FT	SQ FT	FPS	FPS	CFS	CFS
JAN 05	13.35	15	238	2304	1.88	2.70		4337
JAN 19	13.96	16	243	2455	2.33	3.20		5713
FEB 01	14.06	16	241	2442	2.06	2.80		5020
FEB 17	10.52	13	217	1682	1.44	1.90		2429
MAR 01	10.96	13	222	1686	1.28	2.00		2164
MAR 15	13.30	16	243	2242	1.93	2.70		4322
MAR 31	14.82	18	245	2815	2.43	3.30		6837
APR 12	15.88	19	277	3080	2.65	3.50		8166
APR 28	16.68	20	249	3205	2.83	3.70		9063
MAY 12	16.26	22	255	3396	3.01	4.20		10211
MAY 24	16.52	26	259	4078	3.30	4.60		13434
JUN 08	13.70	23	246	3217	3.05	4.10		9802
JUN 28	11.90	21	225	3011	1.47	2.10		4438
JUL 12	10.62	21	217	2653	1.34	1.90		3543
JUL 21	11.60	22	226	2870	1.60	2.10		4600
AUG 03	12.61	23	229	3079	1.88	2.40		5773
AUG 17	13.82	25	242	3306	1.93	2.70		6392
AUG 31	12.89	24	235	3070	1.61	2.20		4940
SEP 14	9.14	19	196	2302	1.11	1.60		2549
SEP 28	8.72	20	199	2241	.85	1.30		1894
OCT 13	11.72	23	224	2779	1.28	1.90		3546
OCT 26	8.87	20	201	2329	.87	1.60		2031
NOV 08	6.53	17	172	1772	.67	1.20		1185
NOV 23	9.81	21	211	2379	1.28	2.00		3044
DEC 07	12.46	23	232	2868	1.46	2.20		4196
DEC 21	13.59	25	241	3129	1.79	2.60		5618

DIRECTION OF FLOW, NORTH.

PRIOR TO APR. 13, 1975, DISCHARGE RANGE WAS LOCATED 1000 FEET DOWNSTREAM  
FROM JUNCTION WITH BAYOU CROOK CHENE.

DISCHARGE RANGE. 600 FEET DOWNSTREAM FROM JUNCTION WITH BAYOU CROOK CHENE.  
(STA. 0340512.)

GAGE. BIG BAYOU CHENE ABOVE LAKE CHICOT. STAFF TYPE AT MILE 77.9. ZERO,  
NGVD

## BAYOU CHENE CUT ABOVE WEST ACCESS CHANNEL

## DISCHARGE OBSERVATIONS

DATE	MEAN GAGE READING	MAXIMUM DEPTH	M A I N C H A N N E L		VELOCITIES		OVERBANK	TOTAL
			WIDTH	AREA	MEAN	MAXIMUM	DISCHARGE	DISCHARGE
1993	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
AUG 18	13.74	76	1167	607	4.57	6.20		277
SEP 01	12.63	75	1128	597	4.50	5.90		269
SEP 15	8.97	72	1112	559	3.48	4.90		195
SEP 29	8.87	73	1112	557	3.23	4.30		180
OCT 14	11.80	76	1142	592	4.13	5.00		244
OCT 27	8.30	74	1111	560	3.17	4.10		177
NOV 08	6.45	71	1091	515	2.66	3.30		137
NOV 24	10.65	75	1133	585	4.43	5.50		259
DEC 08	12.33	78	1151	630	4.59	5.60		289
DEC 22	13.59	79	1180	657	4.79	5.70		315

DISCHARGE RANGE. ATCHAFALAYA BASIN MAIN CHANNEL, 74.3 MILES (1963 SURVEY).  
BELOW HEAD. (STA. 0341012.)

GAGE. LOCAL STAFF FOR DISCHARGE RANGE. ZERO, NGVD.

## GRAND LAKE AT MILLER POINT (LA.)

1993	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
JAN 27	9.25	77	3471	903	3.21	4.70		290
MAR 03	7.52	75	3398	837	2.75	3.30		230
MAY 19	10.65	66	3411	918	3.74	6.40		344
JUL 22	7.24	60	3412	776	3.24	4.60		251
AUG 17	8.75	63	3284	863	3.20	4.90		276
AUG 31	8.25	73	3477	931	2.69	3.80		250
SEP 15	5.90	55	3461	778	2.41	3.20		187
SEP 28	5.42	70	3313	844	2.79	4.90		235
OCT 13	7.38	75	3313	862	3.32	4.50		286
OCT 27	5.36	73	3310	797	2.72	4.40		217
NOV 10	3.87	76	3290	755	1.30	2.00		98.3
NOV 24	6.35	73	3300	829	3.20	4.70		265
DEC 09	7.93	75	3313	905	2.95	4.00		268
DEC 23	8.65	77	3320	907	2.96	5.00		268

DISCHARGE RANGE. ABOUT 4.5 MILES DOWNSTREAM FROM CHICOT PASS AT MILE 100.6  
(STA. 0358710.)

GAGE. CHICOT PASS NEAR MYETTE POINT. AUTOMATIC TYPE AT MILE 95.4.  
ZERO, NGVD

## CYPRESS PASS AT CYPRESS ISLAND (LA.)

1993	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
JAN 27	9.25	67	1082	496	4.53	6.00		225
MAR 03	7.55	66	1073	479	3.73	4.60		179
MAY 19	10.65	67	1000	494	5.34	7.10		264
JUL 22	7.30	64	1066	454	3.82	4.90		173
AUG 17	8.75	64	1072	455	4.29	5.60		195
AUG 31	8.25	63	1072	446	3.82	4.80		170
SEP 15	5.90	57	1102	408	2.34	2.80		95.5
SEP 28	5.43	61	987	423	2.87	3.70		121
OCT 13	7.38	64	1000	431	3.97	5.40		171
OCT 27	5.36	62	994	419	3.14	4.10		131
NOV 10	3.91	63	984	412	1.69	2.20		69.8
NOV 24	6.37	63	990	432	3.46	4.40		149
DEC 09	7.93	64	1003	444	4.38	5.50		195

CONTINUED ON NEXT PAGE

## CYPRESS PASS AT CYPRESS ISLAND (LA.)

CONTINUED

DISCHARGE OBSERVATIONS								
M A I N				C H A N N E L		OVERBANK	TOTAL	
DATE	MEAN GAGE READING	MAXIMUM DEPTH	WIDTH	AREA	VELOCITIES MEAN      MAXIMUM		DISCHARGE	DISCHARGE
	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
1993								
DEC 23	8.65	64	1017	414	4.06	5.60		168

DIRECTION OF FLOW, SOUTH.

DISCHARGE RANGE. AT POWER LINE CROSSING. (STA. 0366010.)

GAGE. SIX MILE LAKE AT VERDUNVILLE. AUTOMATIC TYPE OPPOSITE MILE 105.2  
ZERO, NGVD

## WAX LAKE OUTLET AT CALUMET, LA.

1993	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
FEB 09	3.76		758	328	3.44			113
FEB 25	3.38		758	311	2.61			81.2
MAR 24	4.38		752	332	3.76			125
APR 29	5.74		883	369	4.36			161
MAY 19	5.71		868	366	4.43			162
JUL 01	3.62		758	341	2.78			94.7
JUL 21	3.17		757	330	2.83			93.3
AUG 19	4.18		758	338	3.40			115
SEP 29	2.43		755	333	2.06			68.7
OCT 28	2.17		756	334	2.10			70.1
NOV 23	2.37		752	334	2.22			74.2
DEC 16	3.90		758	340	3.24			110

MEASUREMENTS TAKEN BY U.S. GEOLOGICAL SURVEY.

DISCHARGE RANGE. MILE 111.67, 1350 FT. DOWNSTREAM FROM U.S. HIGHWAY 90  
BRIDGE. (STA. 0372010.)GAGE. AUTOMATIC TYPE, DOWNSTREAM END OF EAST CALUMET FLOODGATE.  
ZERO, -0.14 FOOT, NGVD

## LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA.

1993	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
FEB 08	5.01		1820	642	3.64			234
FEB 24	4.93		1820	602	2.89			174
MAR 23	5.49		1820	632	4.13			261
APR 28	6.45		1820	666	4.62			308
MAY 18	6.41		1820	678	4.34			294
JUN 30	4.89		1820	653	3.08			201
JUL 20	4.44		1820	636	2.83			180
AUG 18	5.39		1820	654	3.61			236
SEP 28	3.37		1820	644	2.28			147
OCT 27	3.46		1820	629	2.34			147
NOV 22	2.98		1820	636	2.33			148
DEC 15	4.24		1820	652	3.30			215

MEASUREMENTS TAKEN BY U.S. GEOLOGICAL SURVEY.

DISCHARGE RANGE. MILE 117.4, 1300 FEET UPSTREAM FROM U.S. HIGHWAY 90  
BRIDGE. (STA. 0378010.)

GAGE. AUTOMATIC TYPE, 400 FEET DOWNSTREAM FROM BRIDGE. ZERO, NGVD

## RED RIVER ABOVE OLD RIVER OUTFLOW CHANNEL (LA.)

## DISCHARGE OBSERVATIONS

DATE	MEAN GAGE READING	MAXIMUM DEPTH	M A I N C H A N N E L		VELOCITIES		OVERBANK	TOTAL
			WIDTH	AREA	MEAN	MAXIMUM	DISCHARGE	DISCHARGE
1993	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
JAN 12	31.40	59	883	368	3.57	4.30		132
FEB 25	23.23	49	858	329	3.71	4.50		122
JUN 22	28.63	48	860	327	2.34	2.80		76.4
JUL 14	27.41	46	856	295	1.11	1.61		32.7
JUL 27	28.15	51	865	324	.60	1.43		19.4
AUG 17	31.60	53	876	343	.53	.83		18.1
SEP 21	18.80	43	846	255	.65	1.15		16.6
OCT 05	23.80	47	851	290	.55	.78		16.1
OCT 21	19.70	44	829	268	1.08	1.39		29.1
NOV 16	15.03	39	791	231	2.48	3.32		57.1
NOV 30	29.72	54	885	342	1.38	2.07		47.1
DEC 06	28.30	55	864	338	2.05	2.59		69.1
DEC 20	31.15	57	870	359	3.45	4.20		124

DISCHARGE RANGE. 2.5 MILES UPSTREAM FROM OUTFLOW CHANNEL. (STA. 0480011.)

GAGE. ATCHAFALAYA RIVER AT BARBRE LANDING. STAFF TYPE, OPPOSITE MOUTH OF RED RIVER AT HEAD OF ATCHAFALAYA RIVER. ZERO, NGVD

## GRAND BAYOU WEST OF LAKE FAUSSE POINTE CUT

1993	FT	FT	FT	SQ FT	FPS	FPS	CFS	CFS
AUG 16	12.05	32	270	6455	2.44	3.10		15775
AUG 30	11.65	30	272	6173	2.21	2.80		13664
SEP 13	8.36	28	259	5435	1.60	2.30		8691
SEP 27	7.78	27	267	5267	1.50	2.30		7923
OCT 12	9.90	29	263	5806	2.05	2.80		11928
OCT 25	8.23	28	274	5590	1.56	2.10		8715
NOV 10	5.75	26	263	5054	1.26	2.10		6367
NOV 22	7.44	27	272	5644	1.70	2.20		9605
DEC 06	11.00	31	283	6418	2.05	2.60		13122
DEC 20	12.02	34	287	6902	2.16	2.70		14917

DISCHARGE RANGE. 1.5 MILES BELOW CONFLUENCE OF LAKE ROND AND LAKE FAUSSE POINTE CUT. (STA. 4916012.)

GAGE. WABPL (FWS) AT LOWER GRAND BAYOU. STAFF TYPE. ZERO, NGVD

## LAKE FAUSSE POINTE CUT NORTH OF WEST ACCESS CHANNEL

1993	FT	FT	FT	SQ FT	FPS	FPS	CFS	CFS
AUG 16	12.05	20	390	5230	2.09	2.70		10930
AUG 30	11.65	18	387	4606	1.73	2.40		7981
SEP 13	8.36	15	331	3431	1.20	1.70		4113
SEP 27	7.78	15	332	3130	.87	1.50		2716
OCT 12	9.90	17	400	4015	1.15	1.60		4603
OCT 25	8.23	15	348	3355	1.01	1.60		3391
NOV 10	5.75	14	302	2668	.90	1.40		2396
NOV 22	7.44	15	331	3199	.95	1.50		3044
DEC 06	11.00	19	416	4445	1.58	2.40		7033
DEC 20	12.02	20	440	5112	1.80	2.50		9228

DISCHARGE RANGE. 0.5 MILE NORTH OF LITTLE GONSOLIN BAYOU. (STA. 4916512.)

GAGE. WABPL (FWS) AT LOWER GRAND BAYOU. STAFF TYPE. ZERO, NGVD



## LAKE LONG BELOW BAYOU LA ROMPE (LA.)

## DISCHARGE OBSERVATIONS

DATE	MEAN GAGE READING	MAXIMUM DEPTH	M A I N C H A N N E L		VELOCITIES		OVERBANK	TOTAL
			WIDTH	AREA	MEAN	MAXIMUM	DISCHARGE	DISCHARGE
			FT	SQ FT	FPS	FPS	CFS	CFS
1993	FT	FT	FT	SQ FT	FPS	FPS	CFS	CFS
JAN 05	14.67	39	425	8315	2.47	3.00		20542
JAN 19	15.34	40	432	8669	2.69	3.30		23283
FEB 01	15.48	41	431	8639	2.52	3.50		21725
FEB 17	11.62	37	401	7092	2.05	2.50		14518
MAR 01	11.98	37	405	7319	1.99	2.40		14550
MAR 15	14.63	41	427	8422	2.34	2.70		19711
MAR 31	16.20	43	438	9521	2.79	3.50		26604
APR 12	17.40	44	439	9886	2.98	3.70		29492
APR 28	18.21	44	440	10136	3.15	3.90		31954
MAY 12	17.80	42	489	10193	2.89	3.50		29496
MAY 24	18.09	43	501	10341	2.89	4.10		29935
JUN 08	14.95	40	432	8830	2.52	3.50		22283
JUN 28	13.00	38	407	7829	2.04	2.50		15933
JUL 12	11.61	36	403	7311	1.73	2.50		12675
JUL 21	12.58	37	410	7681	2.12	2.70		16301
AUG 03	13.80	38	413	8105	2.38	3.00		19308
AUG 17	14.95	39	428	8620	2.61	3.40		22499
AUG 31	14.03	38	416	8177	2.25	2.80		18365
SEP 14	9.88	35	392	6836	1.52	2.00		10417
SEP 28	9.48	35	393	6579	1.41	1.80		9291
OCT 13	12.65	38	413	7884	2.09	2.70		16492
OCT 26	9.77	36	392	6843	1.40	1.80		9587
NOV 08	7.12	34	385	5967	1.11	1.50		6627
NOV 23	10.68	37	397	7140	2.19	2.60		15631
DEC 07	13.54	40	415	8383	2.26	2.70		18980
DEC 21	14.79	41	426	8938	2.40	2.70		21478

DISCHARGE RANGE. 1000 FEET DOWNSTREAM FROM JUNCTION WITH BAYOU LA ROMPE  
(STA. 4930012.)

GAGE. AUTOMATIC TYPE AT BAYOU LA ROMPE AT LAKE LONG (LA.) ZERO, NGVD

## LITTLE TENSAS BAYOU BELOW BLIND TENSAS CUT (LA.)

1993	FT	FT	FT	SQ FT	FPS	FPS	CFS	CFS
JAN 05	14.63	28	237	3825	2.69	3.10		10296
JAN 19	15.33	29	241	4042	3.03	3.50		12262
FEB 01	15.45	29	236	3992	2.37	2.80		9444
FEB 17	11.65	26	180	3148	1.44	1.90		4539
MAR 01	12.03	26	183	3200	1.68	2.00		5370
MAR 15	14.57	28	209	3758	2.33	2.90		8749
MAR 31	16.20	30	239	4391	2.72	3.40		11945
APR 12	17.45	31	242	4577	2.88	3.60		13180
APR 28	17.82	32	245	4789	3.06	3.90		14636
MAY 12	17.47	31	250	4998	2.63	3.60		13164
MAY 24	17.73	31	253	5020	2.58	3.50		12961
JUN 08	14.53	28	210	4224	2.40	3.10		10126
JUN 28	12.63	27	188	3727	2.06	2.50		7691
JUL 12	11.27	26	189	3517	1.83	2.30		6428
JUL 21	12.23	27	198	3769	2.22	2.80		8370
AUG 03	13.47	28	203	3996	2.47	3.10		9857
AUG 17	14.64	30	211	4316	2.57	3.40		11077
AUG 31	13.64	30	197	4124	2.38	3.20		9820
SEP 14	9.49	26	188	3418	1.61	2.20		5484
SEP 28	9.11	26	188	3380	1.41	1.80		4757
OCT 13	12.32	29	197	3899	2.15	2.80		8382
OCT 26	9.33	26	191	3452	1.19	1.50		4100
NOV 08	6.72	24	180	3034	1.08	1.50		3264
NOV 23	10.39	28	196	3601	2.05	2.60		7387
DEC 07	13.17	31	206	4216	2.09	2.60		8827

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## LITTLE TENSAS BAYOU BELOW BLIND TENSAS CUT (LA.)

CONTINUED

## DISCHARGE OBSERVATIONS

DATE	MEAN GAGE READING	MAXIMUM DEPTH	M A I N C H A N N E L		VELOCITIES		OVERBANK DISCHARGE	TOTAL DISCHARGE
			WIDTH	AREA	MEAN	MAXIMUM		
1993	FT	FT	FT	SQ FT	FPS	FPS	CFS	CFS
DEC 21	14.42	33	246	4689	2.23	2.80		10472

DIRECTION OF FLOW, NORTH.

DISCHARGE RANGE. 1500 FEET DOWNSTREAM FROM JUNCTION WITH BLIND TENSAS CUT.  
(STA. 4945012.)GAGE. AUTOMATIC TYPE AT BLIND TENSAS CUT BELOW UPPER GRAND RIVER (LA.)  
ZERO, NGVD

## ATCHAFALAYA BASIN EAST ACCESS CHANNEL ABOVE LAKE CHICOT (LA.)

1993	FT	FT	FT	SQ FT	FPS	FPS	CFS	CFS
JAN 05	13.35	27	222	3971	3.18	3.80		12636
JAN 19	13.96	27	227	4167	3.53	4.10		14713
FEB 01	14.06	27	227	4199	3.22	3.90		13520
FEB 17	10.52	24	212	3568	2.28	2.70		8147
MAR 01	10.96	26	214	3619	2.36	2.90		8535
MAR 15	13.30	27	227	4102	3.07	3.60		12583
MAR 31	14.82	29	232	4597	3.61	4.40		16597
APR 12	15.88	30	235	4821	3.81	4.50		18360
APR 28	16.68	31	236	5028	4.00	4.60		20094
MAY 12	16.26	30	247	4978	3.69	4.50		18379
MAY 24	16.52	30	248	4989	3.98	4.60		19848
JUN 08	13.70	27	231	4034	3.58	4.20		14446
JUN 28	11.91	26	221	3898	2.19	2.80		8536
JUL 12	10.62	24	215	3563	2.10	2.70		7489
JUL 21	11.60	25	220	3811	2.51	3.00		9565
AUG 03	12.61	26	224	4058	2.89	3.50		11721
AUG 17	13.82	27	226	4275	3.15	3.70		13454
AUG 31	12.89	27	223	4099	2.84	3.50		11626
SEP 14	9.14	23	206	3455	1.55	2.20		5361
SEP 28	8.72	23	206	3437	1.62	2.30		5568
OCT 13	11.72	26	219	4032	2.36	2.90		9516
OCT 26	8.87	24	207	3500	1.60	2.10		5596
NOV 08	6.53	22	192	3064	1.47	2.00		4492
NOV 23	9.81	25	208	3669	1.98	2.50		7280
DEC 07	12.46	27	223	4239	2.44	3.00		10358
DEC 21	13.59	28	225	4483	2.66	3.40		11943

DIRECTION OF FLOW, EAST.

DISCHARGE RANGE. 1700 FEET ABOVE LAKE CHICOT. (STA. 4959009.)

GAGE. STAFF TYPE, RANGE 15. ZERO, NGVD



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